

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
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Contact: UK Agents McLean Aviation 01904 738653

EASA Airworthiness Directives, Tech notes can be downloaded from the Internet. www.dg-flugzeugbau.de

All Tech Notes not supported by AD have been removed. See DG web site for list and details

All DG aircraft have revised Maintenance Manuals

4-2010

DG-100

M	Wheel brake cable	incorrect routing may foul elevator control	AD 76-261, TN 301-2	08/76
M	Rudder hinge (top)	excess play allows rudder to disconnect	AD 76-262, TN 301-3	08/76
M	Aileron & u/c control	foul in cockpit	AD 77-123, TN 301-4	06/77
M	Tailplane attachment	modify lock assembly	AD 77-61, TN 301-5	03/78
M	Elevator control lever mounting	washer missing	AD 78-164, TN 301-6	12/78 & 03/79
M	Service life	Increase	AD 85-126, TN 301-11	
M	Canopy jettison procedure etc	opening lever to be red	AD 86-136, TN 301-14	07/86
M	Tailplane mounting (Elan)	speed restriction & non-aerobatic until welds are inspected	AD 89-131, TN 301-15	08/89
M	Airbrake system	inspect & modify as necessary	AD 97-011, TN 301-18	02/97
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN301-23	08/04

DG100 In Service Reports (Advisory)

Rudder cables	inspect at pedals	07/76
Water ballast	check for leaks	07/76
Airbrake control system	rod failure in centre section	08/79
Rudder cable conduit	detached in rear fuselage	02/83
Debris in the wings	fouls controls	08/83
Rudder separation in flight	inspect	12/88
U/C lever	must be fully home (against fuselage side) to lock U/C down	12/99
Canopies	single piece canopies, improved canopy securing	
Controls	Missing washers on aileron push rod bearing attachments	01/11

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Status	Subject	Detail	Reference information	TNS
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011

DG-200 & 202

M	Speed & weight restriction	reinforce spar	AD 79-232, AD 79-313, TN 323-1	
M	Flight and MM	amendments – canopy release	AD 85-80, TN 323-5	
M	Canopy jettison procedure etc	opening lever to be red	AD 86-136, TN 323-6	07/86
M	Airbrake system	inspect & modify as necessary	AD 97-011, TN 323-9	02/97
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN 323-14	08/04

DG200 In Service Reports (Advisory)

	Rudder circuit becomes stiff	nylon conduits in rear fuselage loose		02/83
	Rudder separation	inspect rudder adjacent to bottom hinge		12/88
	Canopies	single piece canopies, improved canopy securing		
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011
I	Air Brake	Damaged control rod by contact with undercarriage lever		6-2011

DG-300

M	Canopy jettison procedure etc	opening lever to be red	AD 86-136, TN 359-9	07/86
M	Aileron mass balance	increased	AD 87-1, TN 359-11	04/87
M	Wing root rib mod	at air brake drive, VNE restricted until completed	AD 89-22, TN359-14	04/89
R	Water ingress	Possible water ingress into elevator Controls in fin	BGA 009/10/2000 issue 1	10/00
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN359-21	08/04
M	Service life	Extended to 12000 hours with inspections	AD D-2005-196, (EASA 2005-5844), TN 359/23	06/05
M	Flight limitations	Reduced limitations pending structural inspections BGA Extended Weight concession withdrawn	AD 2007-0100-E Corrected, TN359/24	3-2007

DG300 In Service Reports (Advisory)

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Status	Subject	Detail	Reference information	TNS
	Elevator auto-connect misaligned	optional guide block introduced		04/87 & 08/85
	Control system bearings	at wing root corroded		06/89
	U/C lever travel restricted	by locking paw fouling		04/90
	Canopies	single piece canopies, improved canopy securing		
	U/C jammed	by bungee key rings		02/89
	Air brake slots	introduce drains		12/91
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011

DG-400

M	Power plant vibration	crack checks & change engine mount	AD 84-157, TN 826-11	02/85
M	Canopy jettison procedure etc	opening lever to be red	AD 86-138, TN 826-16	07/86
M	Powerplant modifications	3 year life on fuel lines and L'Hotellier connectors	AD 91-149, TN 826-24, TN826-25	12/91
M	Flexible wing tanks (fuel)	modify tanks	AD 83-171, TN 826-3	12/83
M	Inspections	Rotax 505 engine, canopy jettison & tow release	AD 84-155, TN 826-6	04/93
M	Fuel shut off valve gaskets	replace	AD 85-219, TN 826-14	04/93
M	Power plant cable guides	fouling	AD 85-223, TN 826-15	04/93
M	Engine extent/retraction	modify	AD 87-108, TN 826-18	04/88
M	Power plant wiring	inspection	AD 87-109, TN 826-19	04/93
M	Empty C of G range	manual revisions	AD 88-99, TN 826-20	04/93
M	Pneumatic fuel pump	plugged piece of hose loose	AD 88-99, TN 826-20	04/93
M	Locking of wing tip pins	engine vibration- damage	AD 88-99, TN 826-20	04/93
M	Propeller shaft failures	strengthened shaft to be fitted	AD 96-243, TN 826-32	10/96
M	Electrical regulators	life limit on some Bosch regulators	AD 96-242, TN 826-33	10/96
M	Airbrake system	inspect & modify as necessary	AD 97-011, TN 826-34	02/97
M	Modification of Powerplant	In accordance with AD	AD90-43, TN 826-22	04/90
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN 826-35	02/98
M	Powerplant	Inspection of rear plate	AD 2001-346, TN 826-42	10/01
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN836-44	08/04

DG400 In Service Reports (Advisory)

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
	Canopies	single piece canopies, improved canopy securing		
	Engine	Fuel pipe leaking. Under tank before fuel tap		2-2010
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011

DG-500 & DG-505 All marks

M	Limitations	No negative 'G' until airbrake mod is carried out	AD 94-295/2, TN 348/4T	12/94 & 02/95
M	Airbrake/wheel brake controls	fit strengthened lever	AD 92-357, TN 348-2-2	10/92
M	Belly hook cable jumps off pulley	fit wider pulley (near hook), Brake fluid change	AD 1998-048, TN 348/9	02/98
M	Service life	special inspections to increase life above 3000 hours	AD 85-126 & 85-80, TN348/9	02/98
M	Flight Controls	Elevator control in vertical fin	AD1999-341, TN348/12	
M	Air Brakes (ELAN)	Modification to prevent flutter	AD94-242	
M	Ball bearings	Ball bearings and articulated rod ends in the cockpit area	AD2001-079, TN348/15	04/01
M	Flight manual revisions	rudder sealing & coolant reservoir	AD 93-009 TN 843/3S, TN843/3T	04/93
M	Fin Tank	FM changes	AD 96-154, TN 348/8	
M	Landing gear	Inspection of Teflon bush	AD 1999-383, TN 348-13	
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN348-18	08/04
I	Rear seat head rest	Must be secured by restraining cords	(info TN 843-6, TN 348-5)	2-2007
M	Elevator Control	Bell crank bolt torque check and life limitation	AD 2007-0176-E, TN 348-19, TN 843-26	3-2007
M	Rear seat head rest	Inspection, adjustment & modification of head rest cords	AD 2011-0191, TN 500/05	5-2011
M	Structures	Inspection and reinforcement of C of G release hook b/head	AD 2011-0209, TN 500/04	5-2011

DG500 In Service Reports (Advisory)

I	Airbrakes	Operating arms immersed in water causing bearing failure		10/03
I	Landing gear	Failure of main gear frame, cracks from weld. Inspect after heavy landing and C of A		10/03
I	Optional rear seat headrest	If fitted restraining cords must be fitted	TN843-6, TN348-5	2-2007
I	Controls	Elevator rod nut loose. Use locktite where specified		3-2010
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011
I	Ballast weight	Fixed tail trim ballast weight loose – improved design		3-2011
I	Tail plane	Diss-bonder tail plane bush		5-2011
I	Main Wheel	Damage to main wheel shroud		6-2011

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
<u>DG-500M, MB & 500/22M</u>				
M	Airbrake/wheel brake controls	fit strengthened lever	AD 92-358, TN 843/3-2	10/92
M	Manual rev. Rudder & Cooling	Details in AD	AD 93-010, TN 843/5	
M	Propeller mounting plate cracks	mods & 25 hour inspections	AD 97-224, TN 843/8	08/97
M	Belly hook cable jumps off pulley	fit wider pulley (near hook), Brake fluid change	AD 1998-023, TN 843/9	02/98
M	SOLO engine modifications	Drive belt tension	AD 1999-383, TN 843/13	02/00
M	Ball bearings	Ball bearings and articulated rod ends in cockpit area	AD2001-080, TN843/16	02/01
M	Flight Controls	Elevator control in vertical fin	AD1999-341, 843/12	
M	Engine	Extension/Retraction spindle drive	AD 2003-409TN 843/18 iss.2	02/04
M	Propeller	Damage due to overheating	AD D-2004-196, TN 843/19	04/04
M	Rudder	Lower mounting inspection	AD-D-2004-348, TN843-21	08/04
M	Power plant	Connection of the starter ring gear	AD-D-2004-347, TN843-22	08/04
M	Power plant	Primer drive	AD-D-2004-350, TN843-23	08/04
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN 348/18 iss2	10/04
M	Spindle drive	Securing connection to drive motor	AD-D-2006-060, TN 834/24	2-2006
I	Rear seat head rest	Must be secured by restraining cords	(info TN 843-6, TN 348-5)	2-2007
M	Elevator Control	Bell crank bolt torque check and live limitation	AD 2007-0176-E, TN 348-19, TN 843-26	3-2007
M	Powerplant	Extension / retraction mech – modification	AD 2008-0095, TN 843/27	3-2008
M	Powerplant	Starter ring gear inspection	AD 2009-0169-E superseded by AD 2009-0225-E superseded by AD 2009-0239-E, TN 843/30r1	4-2009
<u>DG500M In Service Reports (Advisory)</u>				
	Unleaded MOGAS (95 octane)	fuel system compatibility with Unleaded MOGAS change the		
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
	Engine (Solo)	Starter ring gear cracks from lightening holes to mount bolts		02/05
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011
<u>DG-600</u>				
M	Controls	L'Hotellier ball and socket connectors with lock plates	AD 1993-001/3	REF
M	Controls	L'Hotellier ball and socket connectors with locking cams	AD 1994-001/2	REF

DG Flugzeugbau (Glaser-Dirks) (Germany)

Status	Subject	Detail	Reference information	TNS
M	Controls	Rudder mounting	AD 2004-348R1	12/04

DG-600M, DG-600-18M

M	Electronic stall warning system		TBA (Mandatory)	04/91
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
M	Rudder	Lower mounting inspection	AD-D-2004-348R1, TN866-10	08/04
M	Procedures	Emergency procedures	AD92-367	12/04

DG600 M In Service Reports (Advisory)

	Canopies	single piece canopies, improved canopy securing system		
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011

DG-800A, LA, B & S

M	Engine Mods and manual changes	at 25 hour inspection (before 31/05/99)	AD 1999-167, TN 873/12	06/99
M	SOLO engines (DG-800B)	modifications, drive belt tension reduced	AD 1999-377, TN 873/16	02/00
M	Powerplant	Powerplant and manual revisions	AD1999-269, TN873/13	
M	Powerplant	Inspection of rear plate	AD 2001-340, TN873/25	10/01
M	Fuel and Coolant	Modifications to wiring	AD 2002-083, TN 873/26	04/02
M	Controls	L'Hotellier ball and socket with lock plates	AD 1993-001/3	
M	Controls	L'Hotellier ball and socket with locking cams	AD 1994-001/2	
M	Propeller (DG-800B)	Damage due to overheating (Solo engine)	AD D-2004-195, TN 873/29	04/04
M	Power plant	Connection of the starter ring gear	AD-D-2004-347, TN873-22	08/04
M	Power plant	Primer drive	AD-D-2004-350, TN843-23	08/04
M	Powerplant (DG 808C, DG 800B)	Starter ring gear inspection	AD 2009-0169-E superseded by AD 2009-0225-E superseded by AD 2009-0239-E, TN800/36r1	4-2009
M	Landing gear	Inspection of landing gear & air brake rod foul	AD 2011-0053-E, TN 800/40	2-2011

DG 800 In Service Reports (Advisory)

	Mikuni carburetors	needle arm levers fretted		04/95
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Status	Subject	Detail	Reference information	TNS
	Ignition coil wiring	unsupported		04/95
	Engine	EGT gauges recommended to prevent engine overheating & failure		02/98
	Engine	Spindle drive forward mounting and bolt worn		5-2010
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011
<u>DG1000 & 1000T</u>				
M	Elevator	Assembly of horizontal tailplane & Manual revision.	AD D 2004-300	06/04
M	Controls	L'Hotellier ball and socket connectors with lock plates	AD 1993-001/3	REF
M	Controls	L'Hotellier ball and socket connectors with locking cams	AD 1994-001/2	REF
M	Powerplant	ECU Software updates & FM & MM revisions	AD 2007-0040, TN1000/09	1-2007
M	Controls	Inspection of Elevator bell crank bolt and Air Brake hook	AD 2007-0316R1-E, TN 1000/12	2-2008
DG1000 In Service Reports (Advisory)				
	Propeller	Cracks found at transition from shaft to blade section		2-2007
I	Rudder	Stops missing and loose, check annually and use Loctite		3-2011