



BGA Airworthiness Compendium

Compendium of Airworthiness Directives, Mandatory Modifications, Special Inspections and Checklist of Defects

Equipment

GENERAL

Status	Subject	Detail	Reference Information	TNS
R	Removable equipment	Barographs, Batteries, ballast weights, O2 bottles etc. safe and secure?		
R	Cockpit equipment	Must not impede escape		
M	Oxygen bottles	To be internally inspected every 5 years		
R	Canopy Gas Struts	Inspection guidelines	BGA 031/05/2002 iss. 1	06/02
I	Cair Info Leaflet	Ottfur release hooks and info on metric bolts	IL 1 iss2	02/03
I	Cair Info Leaflet	Compass check swings for gliders	IL 2	02/03
I	Cair Info Leaflet	Cair modified Ferranti Mk 6 & 14 Artificial Horizons	IL 3	02/03
I	Cair Info Leaflet	Quick release unit springs	IL 4 iss2	04/03
I	Cair Info Leaflet	OM104C & OM106E series Ottfur release units	IL 5	02/03
I	Cair Info Leaflet	Inspection guidelines for vintage Ottfur release units	IL 6	02/03
R	Instrument panels	Replace metal with GRP/Wood for improved crashworthiness		02/05
M	Transponders	See Radio section		4-2006
I	Lithium batteries	EASA Safety Information bulletin - fires in Lithium batteries 2009-22		3-2009
I	Tail wheels	Only use specified tail wheel and tail dolly wheels. Do not use solid tyres unless specified.		5-2011

CONTROLS

Status	Subject	Detail	Reference Information	TNS
M	Control cables	Inspection of copper sleeves used on control cables	DGAC 67-22	
R	Control connections	L'Hotellier and other quick release types, inspect after rigging as well as positive control checks		06/99
R	Wedekind couplings	Safety connectors		08/94
M	Couplings	Check that locking pins cannot jam controls		10/97 & 12/97
I	Cable end fittings	Cracking and corrosion	CAA LTO 2325	04/02
M	L'Hotellier couplings	quick release couplings inspection	LBA 1993-001/3	04/93 & 02/04
M	L'Hotellier QR. Cam type	Inspections	LBA 1994-001/2	04/94 & 02/04
M	L'Hotellier couplings	Annual wear check reminder		02/04
I	Control checks	Part of control checks is for correct sense as well as installation and locking and applies to all controls		04/04
M	Controls	Inspection of Nicropress and Talurit cable swages	LBA AD 82-216	
I	L'Hotellier couplings	Wear in "Wedekind" sleeves can cause partial disengagement		1-2010
	L'Hotellier couplings	EASA SIB 2012-04 and BGA guidance	EASA SIB 2012-04	2-2012



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INSTRUMENTS & ELECTRICAL

Status	Subject	Detail	Reference Information	TNS
R	Instruments	Altimeters, sub-scale to be checked every C of A		04/98 & 06/99
M	Compasses	Check swing every 2 years		
I	Electrical connectors	Milti plugs make no1 pin positive. AXR & XLR types have no2 positive. Always fit fuses		
M	Rocker Switches	Inspection of Carling Tech. switches	AD 2006-0274	5-2006

RADIO

Status	Subject	Detail	Reference Information	TNS
I	Radio	Must be safe and secure, must not impede exit from aircraft		
M	Radio	Frequencies to be checked every 48 months N/a for 720 & 760 channel radios		
M	Becker AR4201	s/n 150 to 9499 Modifications due communication problems (Optional for existing installations with restrictions)	AD2003-234	08/03
M	Motor Gliders	Installations and changes to motor glider must be certified by a CAA licensed radio engineer and be CAA approved		TBA
M	Transponders	Annual checks including mode S and 2 year mode C checks Outside privileges of BGA inspectors unless holding "RE" Radio Engineer. Specialist test equipment required	CAA AD 002-12-99 REV 2	4-2006
M	Funkwerk Transponders(Formerly Filser)	TRT 600 & TRT 800 intermittent loss of detection	AD 2008-0158R1	5-2008
M	Narco Transponders	Narco AT-150 Transponder – Erroneous altitude replies	AD 2009-0200	4-2009
M	Dittel FSG 2T	Incorrectly installed capacitor	AD 2010-0186, SB FSG 2T-1.06	5-2010
M	Transponders Becker AR3201	Maintenance requirements Internal battery change every 4 years	BGA 052/08/2011 issue 1	4-2011 2-2012
M	8.33 kHz spacing	8.33 kHz channel spacing required by 2018, if upgrading or installing fit 8.33 kHz radios. Do not install any other types after 17 November 2013		1-2013

Miscellaneous Equipment

Status	Subject	Detail	Reference Information	TNS
M	Halon Fire Extinguishers	Fire Fighting Equipment Halon fire extinguishers filled with contaminated Halon 1211	AD 2009-0262R1, ASB-115C	1-2010



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Seats & Harnesses

Status	Subject	Detail	Reference Information	TNS
M	Harnesses General	Must be installed so that webbing cannot creep through buckles		12/87
M	Garinger Seat harnesses	loose nuts		08/87
R	Garinger Seat harnesses	Anti slip mod kit		08/93
M	Seat cushions	Only energy absorbing types to be used in addition to manufacturers. E.g. "Dynafoam"		08/96
M	Autoflug Seat harness	Anti slip springs should always be fitted		12/96
A	Williams Seat harness	post 1992 blue QR boxes, return to have strengthening plunger fitted		06/97
M	Seats	Slot in types must be secured to retain in negative "G"		06/89
R	Seat trim	Obstructing exit from glider – inspection	BGA 019/06/2001 iss1	06/01
I	Seat harnesses	Ensure correctly installed		08/00
M	Sutton harnesses	Integrity inspections Compliance by 1 July 02	CAA AD 002-12-2001 R2	06/02
I	Fastening lugs	incorrectly assembled attachment lugs cause damage to locking hole		04/03
I	Harness inspections	Careful examination required for damage and incompatible parts.	BGA AMP Manual 4-8	04/04
I	Seat Harness Life	Seat harnesses may be regarded as "On Condition" for BGA Gliders provided no AD exists to replace them at a certain calendar life Note: if a life extension AD, or TN referred to in a life extension AD, lists harnesses as a lifed item this constitutes an AD mandating the life of a seat harness – in these cases the "on condition" does not apply.		02/05
M	Life Extension AD	lists harnesses as a lifed item this constitutes an AD mandating the life of a seat harness – in these cases the "on condition" does not apply.		3-2009
I	Gadringer QR	Quick Release unit lap strap detached. Suspect wear on high time unit		3-2011
I	Seat Harness Attachment	Wear/stripped threads in shackles		2-2014

Parachutes (Personal Equipment AD's etc as notified, list may be incomplete)

Status	Subject	Detail	Reference Information	TNS
M	Parachutes	Plastic ripcord handles must be replaced with metal	LBA AD80/13/0	10/98
I	GQ Parachutes	May have suspect canopies		12/88
M	MarS spol SRO Parachutes	Models ATL-88, /92s & 90 mfd after 30/12/97 are un airworthy	AD-T-039/2002-04-29	04/02
M	Brüggemann Emg Parachutes	Ripcord cable high forces	AD2003-162TM LBA0001	06/03
M	Irvin GQ, Thomas and others	Recall of certain Capwell supplied ripcord pins and ripcords	CW03-01	08/03
M	Performance Variable eK	Failure to deploy	AD-D-2005-248R1	08/05
M	Parachutes de France Techno	Reserve chute mandatory packing, modifications	AD 2006-0160-E	5-2006
M	Parachute Shop	Certain parachutes removed from service	AD 2006-0279	5-2006
M	Spekon Parachutes	Replacement of drogue chute	AD 2008-0174	5-2008
M	Thinback T104 & Slimback T204	Ripcord and pin inspection	AD 2010-0009-E	1-2010



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Hoses

Status	Subject	Detail	Reference Information	TNS
M	Fuel and Oil Hoses	Replacement of Aeroquip type 601 hoses mfd. between 3/84 and 5/88	AD005-01-89, SB002R1	
I	Aeroquip hoses	Some are suspect		10/88
I	Trelleborg Hoses	Faulty batch mfd code 25 99 Skydrive Safety Bulletin	010501	06/01

Carburettors

Status	Subject	Detail	Reference Information	TNS
R	Stromburg Carburettors	Float valve assy wear – flooding, replace at 500hr		10/87
M	Stromburg Carburettors	Replacement of diaphragm	AD76-283 (Limbach TB12)	10/87

Magnetos

Status	Subject	Detail	Reference Information	TNS
M	Bendix Magnetos	Impulse coupling inspection Models S4LN, S6LN,	FAA 82-20-01, SB 623	
M	Bendix Magnetos	Tracking of Distributor block	FAA	12/88
M	Bendix Magnetos	Impulse coupling, coils & magnet inspections	FAA 94-01-03R2	02/99
M	Bendix Magnetos	Capacitor replacement	FAA 94-06-09	06/94
M	Bendix Magnetos	Impulse coupling inspection	FAA 96-12-07	06/98
M	Bendix switches	Inspection of Key operated magneto switches	FAA 76-07-12	
M	Bendix Magnetos	Impulse coupling inspection some reduced to 100 hrs	FAA 2005-12-06	06/05
M	Slick Magnetos	Insp/replace coils Models 42xx, 42xxR, 62xx, 62xxR.	FAA 81-16-05, SB 1-81	
M	Slick Magnetos	Impulse coupling inspection Model 447	FAA 74-18-05, SL1-73	
M	Slick magnetos	Impulse coupling inspection Models 447, 41xx, 42xx, 62xx & R	FAA 80-06-05	
M	Slick Magnetos	500-hour overhaul life		12/97
R	Slick Magnetos	250hr Service life recommended by manufacturers to single ignition motor gliders	Slick SB 1/89	



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Towing Equipment

Status	Subject	Detail	Reference Information	TNS
R	Hooks general	Check for wear, correct lubrication and cleanliness		
M	Hooks general	If two hooks are fitted, they both must operate from a single control		
M	Tost hooks	Replacement of bracket (Universal 53 series S/N 1>29999)	AD 1/66	
M	VEB ALON 155	inspection	AD 95-260	
R	Ottfur OM series	Inspection guidelines from Cair Aviation	Issue 2	08/02
M	Tost releases	Other than cleaning and lubrication no maintenance is allowed on Tost releases		02/04
M	Tost releases	All Tost releases in UK gliders are subject to life limitation: - BGA Gliders may use 4-5 actuations per flight for club gliders = 2000 to 2500 launches. - Private gliders may use 3-4 actuations per flight = 2500 to 3000 launches	AD 1989-018/3, TN 1-2001	02/05
I	TOST Tow line retractor	Excessive wear of weak link inside end stop/link carrier		1-2007
I	TOST release	Failure of beak jaw		2-2009
M	Ottfur releases	Inspection of release arm	BGA 055/03/2014 issue 1	1-2014

Towing Releases In Service Reports (Advisory)

Status	Subject	Detail	Reference Information	TNS
	Cair CW 300	Release lever broken		2-2010