

**BGA SDMP 267 form** (only for use in the BGA airworthiness system)

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| **Aircraft Maintenance Programme (AMP)** | | | | | | | | |
| **Aircraft identification** | | | | | | | | |
| 1 | Registration(s): | | Type: DG-400 | | Serial no(s): | | | |
| **Basis for the maintenance programme** | | | | | | | | |
| 2 | This is the BGA recommended option for owners to declare their aircraft maintenance program. This template is for all ELA1 Sailplanes, Self Launching/Sustaining sailplanes and TMG, not involved in commercial operations, declaring the “other” Programme complying with M.A.302(i)  Note the BGA SDMP 267 lists all the scheduled inspection requirements in tasks 1 to 89 and is equivalent to EASA Appendix A, AMC M.A.302 (e) , required by  EASA ‘Minimum Inspection Programme’. | | | | | | |  |
| **Design approval holder (DAH) maintenance data** | | | | | | | | |
| 3 | **Equipment manufacturer and type** | | | **Applicable maintenance data reference (at latest revision)** | | | | |
| 3a | Aircraft **(other than balloons)** | Glaser-Dirks Flugzeugbau DG-400 | | MM for Motorglider DG-400 Dec. 2009, rev.1, Oct. 2016 | | | | |
| 3b | Engine (if applicable) | Rotax 505 (serial No. 3332840) | | Manual for Rotax- engine type 505, 2nd edition, Jan. 1992, revised by SB-505-010 R1, May 2007 | | | | |
| 3c | Propeller (if applicable) | Hoffmann HO11F-128B84 (serial No. 76128) | | Operation and Maintenance Manual No. E 0110.74, 8th edition, Feb. 2002 | | | | |
| **Additional maintenance requirements not covered above (applicable to all AMPs, regardless of whether they are based on design approval holder (DAH) data or minimum inspection programmes (MIPs))** | | | | | | | | |
| 4 | **Indicate if any of the following additional maintenance requirements are applicable (when replying ‘YES’, list the specific requirements in Appendix B (add to the BGA SDMP 267 EASA mandatory and BGA CAMO requirements found after task 89) to this AMP** | | | | | Yes | No | |
| Maintenance due to specific equipment and modifications | | | | |  | NO | |
| Maintenance due to life-limited components | | | | | YES |  | |
| Maintenance due to mandatory continuing-airworthiness information (airworthiness limitations (ALIs), certification maintenance requirements (CMRs), specific requirements in the TCDS, etc.) | | | | | YES |  | |
| Maintenance due to repetitive ADs | | | | | YES |  | |
| Maintenance due to specific operational/airspace directives/requirements (altimeter, compass, transponder, etc.) | | | | |  | NO | |
| Maintenance due to type of operation or operational approvals | | | | |  | NO | |
| 5 | **Indicate if there is any maintenance due to specific recommendations in service bulletins, service letters, etc. (when replying ‘YES’, list the specific recommendations and any deviations in Appendix B to this AMP)** | | | | | YES |  | |
| **Pilot-owner maintenance (only for TMG operated under Part-NCO)** | | | | | | | | |
| 6 | **Does the Pilot-owner perform Pilot-owner maintenance (ref. Part-ML, ML.A.803)?**  If yes, enter the name of the pilot-owner(s):  Pilot-owner name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Licence Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | Yes | No | |
| **Approval/declaration of the maintenance programme by owner** | | | | | | | | |
| 7 | **Declaration by owner**  ***‘I hereby declare that this is the maintenance programme applicable to the aircraft referred to in Field 3, and I am fully responsible for its content and, in particular, for any deviations from the Design Approval Holder’s recommendations.’***  Signature/name/date: | | | | | |  | |
| **Certification statement** | | | | | | | | |
| 8 | ***‘I will ensure that the aircraft is maintained in accordance with this maintenance programme and that the maintenance programme will be reviewed and updated as required.’***  Signed by the person/organisation responsible for the continuing airworthiness of the aircraft according to ML.A.201:  Owner  — Lessee  Name of owner/lessee  Address:  Telephone/fax:  Email:  Signature/date: | | | | | | | |
| 9 | Appendices attached to BGA SDMP 267   * Appendix A YES  NO  BGA SDMP 267 already complies with Appendix A requirement * Appendix B YES  NO  Add to the BGA SDMP 267 EASA mandatory and BGA CAMO requirements found after task 89 | | | | | | | |
|  | **Record of periodic reviews and revisions of the Aircraft Maintenance Programme (in accordance with M.A.302(g) or M.A.302(h)5, as applicable) (add more rows/lines if required)** | | | | | | | |
| 10 | |  |  | | --- | --- | | **Entire below changes to this SDMP and revision number** | **Date and signature of owner** | | Initial issue |  | |  |  | |  |  | |  |  | |  |  | |  |  | | | | | | | | |

BGA Self-Declared Minimum Inspection Program



form 267 for sailplanes and powered sailplanes

(including TMG)

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| Work pack file ref: |
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| Registration | BGA No. | Type. DG-400 | Serial No. |

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| Task  Item | Description | Inspection detail | Operation  Insp/check |
| **Tasks 1 to 62 applicable to all aircraft (delete row/line as or write N/A as required)**  **Tasks 63 to 89 apply to powered sailplanes. (delete row/line as or write N/A as required)** | | | |
| 0 | **All Tasks General** | **The aircraft must be clean. Inspect for security, damage, wear, integrity, drain/vent holes clear, signs of overheating, leaks, chafing, cleanliness and condition as appropriate to the particular task. Whilst checking GRP Composite structures check for signs of impact or pressure damage that may indicate underlying damage.**  **The manufacturer’s maintenance manual must be used for specific maintenance instructions.** |  |
| 1 | **Fuselage Paint/Gelcoat** | Inspect external surface and fairings, gel coat, fabric, metal skins and paintwork. Check that registrations marks are correctly applied. All turbulator tapes are fitted correctly and in secure.  Ensure compliance with Generic Requirement 8 Fabric Inspection |  |
| 2 | **Fuselage structure** | Check frames, formers, tubular structure, skin and attachments. Inspect for signs if corrosion on tubular framework. Wooden structure inspection ref BGA Inspection 047/02/2006 |  |
| 3 | **Nose Fairing** | Inspect for evidence of impact with ground or objects. Inspect nose tow release unit and aperture. |  |
| 4 | **Rudder** | Check rudder assembly, hinges, attachments, balance weights. |  |
| 5 | **Pot Pitot/Ventilator** | Check alignment of probe, check operation of ventilator and canopy demisting |  |
| 6 | **Centre section fairing** | Inspect for security, damage and condition. | N/A |
| 7 | **Wing attachments** | Inspect the wing structural attachments. Check for damage, wear and security. Check for rigging damage. Check condition and security of wing attachment pins and associated bearings. |  |
| 8 | **Canopy, doors, locks, jettison** | Inspect canopy/door and frame and transparencies for cracks unacceptable distortion and discoloration. Check operation of all locks and catches.  Carry out an operational test of the canopy jettison system from all positions.  Canopy jam during jettison inspection ref BGA Inspection 021/10/2001  Check canopy gas strut inspection ref BGA Inspection 031/05/2002 |  |
| 9 | **Seat / cockpit floor** | Inspect seat (s). Check that all loose cushions are correctly installed and as appropriate, energy absorbing foam cushions are fitted correctly and secured. Ensure that all seat adjusters fit and lock correctly.Seat trim inspection ref BGA Inspection 019/10/2001 |  |
| 10 | **Cleanness / loose article check** | Check under cockpit floor/ seat pan and in rear fuselage for debris and foreign items |  |
| 11 | **Front Skid/Nose Wheel & mounts** | Inspect for evidence of hard/heavy landings. Check skid wear. Inspect wheel, tyre and wheel box. Check tyre pressure | N/A |
| 12 | **Mainwheel, tyre & Brake assembly** | There should be zero play (unless a tolerance is specified in the manual) in the brake torque link/stud. Check for integrity of hydraulic seals and leaks in pipe work. Check life of hydraulic hoses and components if specified by manufacturer. Remove brake drums, Check brake lining wear. Check disk/drum wear. Refit drum. Check brake adjustment.  **CAUTION: BRAKE DUST MAY CONTAIN ASBESTOS.**  Check operation of brake. Check level of brake fluid and replenish if necessary.  **CAUTION: CHECK TYPE OF BRAKE FLUID USED AND OBSERVE SAFETY PRECAUTIONS**  If DOT 3 or DOT 4 automotive brake fluid is used; change at regular intervals as it absorbs water.  Tyres check for wear, sidewall damage, perishing, correct pressure and creep marks have not moved. |  |
| 13 | **Undercarriage suspension** | Check springs, bungees, shock absorbers, and attachments. Check for signs of damage.  Service strut if applicable. If rubber parts fitted check for perished rubber and bulges.  Note: Carry out with weight off the landing gear. |  |
| 14 | **Undercarriage retraction system** | Check retraction mechanism and controls with aircraft on jacks/dolly, check warning system if fitted, gas struts, doors and linkages/springs, over centre/locking device. Perform retraction test. |  |
| 15 | **Tail skid / wheel** | Inspect for evidence of hard/heavy landings. Check skid wear. Inspect wheel, tyre and wheel box. Check bond of bonded skids. Check tyre pressure |  |
| 16 | **Release hooks** | Inspect nose and C of G release hooks and controls as per manufacturer’s instructions.  Check operational life against manufactures instruction (both calendar life and actuations)  Carry out operational test. If more than one release hook or control is fitted check operation of all release hooks from all positions. |  |
| 17 | **Harnesses** | Inspect all harnesses for condition and wear of all fastenings, webbing and fittings. Check operation of release and adjustments. See BGA AMP manual Leaflet 4-8 for advice. |  |
| 18 | **Flight/Rudder pedal assemblies** | Inspect rudder pedal assemblies and adjusters |  |
| 19 | **Rudder control circuit & stops** | Inspect rudder control rods/cables. Check that control stops are contacting and secure. Pay attention to wear and security of liners and cables in “S” tubes. Check rudder assembly, hinges, attachments and balance weights are secure |  |
| 20 | **Elevator control circuit & stops** | With the tailplane derigged, check tailplane attachments, Inspect elevator control rods/cables. Check that control stops are contacting and secure. Inspect self-connecting control devices, Check gel coat, fabric covering or metal skin. |  |
| 21 | **Aileron and Flap control circuit & stops** | Inspect aileron control rods/cables Check that control stops are contacting and secure.  Inspect self-connecting control devices. |  |
| 22 | **Flap control circuit and detents** | Inspect flap control circuit, check any gas struts fitted work as specified, Check that all detents and springs in the flap circuit and handle operate correctly as specified by Manufacture and detents are not too excessively worn. |  |
| 23 | **Trimmer control circuit** | Inspect trimmer control rods/cables. Check friction/locking/connecting devices |  |
| 24 | **Air brake control circuit** | Inspect air brake control rods/cables/belcranks/bracket. Check friction/locking device (if fitted) Inspect self-connecting control devices. |  |
| 25 | **Wheel brake control circuit** | Inspect wheel brake control rods/cables. If combined with air brake, ensure correct rigging relationship and you can still achieve full airbrake. Check parking brake operation (if fitted) |  |
| 26 | **Instrument panel assemblies** | Inspect instrument panel and all instruments/equipment. Check that instrument readings are consistent with ambient conditions. Check marking of all switches, circuit breakers and fuses are correctly labelled. Registration is displayed on instrument panel.  Check operation of all installed equipment as possible i.a.w. Manufacturer’s instructions  Check all instruments are marked as required by Flight manual. |  |
| 27 | **Pitot/static system** | Inspect pitot probes, static ports all tubing (as accessible) for security, damage, cleanliness, kinking and condition. Drain any water from condensate drains. Perform system leak check. |  |
| 28 | **ASI operational check** | Carry out accuracy of the airspeed indicator (in situ permissible) i.a.w. manufacturer’s instructions (Use manufacturers limits. If Not avail. Max error 2 knots). Ensure colour coding has been applied if required in flight manual. |  |
| 29 | **Altimeter datum** | Check barometric sub scale. (max. error 2 Mb) |  |
| 30 | **Electrical installation/ fuses/trips** | Check all electrical wiring for condition. Check for signs of overheating and poor connections. Check fuses/trips for condition and correct rating. |  |
| 31 | **Battery** | Check battery mounting for security and operation of clamp. Check for evidence of electrolyte spillage and corrosion. Check that battery has the correct main fuse fitted.  It is recommended to carry out battery capacity test on gliders equipped with radio, used for cross-country, airways or competition flying. Note: In accordance with equipment manufacturer’s recommendations where capacity checks are recommended by the equipment manufacturer. See BGA AMP manual leaflet 4-9. |  |
| 32 | **Oxygen systems** | Inspect oxygen system. Check bottle hydrostatic test date expiry i.a.w. Manufacturers recommendations. Ensure that bottle is not completely empty (200psi min) refill with aviator’s oxygen only. Clean masks and regulators with approved cleaning wipes.  Ensure that oxygen installation is recorded on weight and C of G schedule. Check all instruments are marked as required by Flight manual  **CAUTION: OBSERVE ALL SAFETY PRECAUTIONS** |  |
| 33 | **Radio installations and placards, Transponders.** | Check radio installation, microphones, speakers and intercom if fitted. Check that call sign placard is installed. Check aircraft registration placard is visible near radio.  Carry out radio ground function test. Record type fitted. All avionics (including transponders) to be maintained as per the manufacturer’s instructions and applicable ADs. |  |
| 34 | **Radio frequency check** | 48-month frequency tolerance check. (Not required for modern 720/760 or later channel transceivers) |  |
| 35 | **Removable ballast** | Check removable ballast mountings and securing devices for condition. Check that ballast weights are painted a conspicuous colour. Check that prevision is made for the ballast on the loading placard. Check that the ballast arrangements as configured are supported by the Flight manual (technical notes often require flight manual amendments) |  |
| 36 | **Colour coding of controls** | Ensure that controls are colour coded and in good condition, as follows;  Tow release: Yellow  Air Brakes: Blue  Trimmer: Green  Canopy normal operation: White  Canopy jettison: Red  Combined Canopy jettison and normal operation: White and Red  Other controls: clearly marked but not using any of the above colours |  |
| 37 | **Equipment stowed in centre section** | Check for security and condition. Check validity of any safety equipment. Check manufacturers and NAA (if required) data plates |  |
| 38 | **Wing struts/wires** | Inspect struts for damage and internal corrosion. Re-inhibit struts internally every 3 years or in accordance with manufacturer’s instructions. | N/A |
| 39 | **Drag chutes & controls** | Check for correct operation. Inspect chute, rigging lines, packing and release mechanism. Check repackaging date. | N/A |
| 40 | **Water ballast system** | Check water ballast system, wing and tail tanks as fitted. Check filling points, level indicators, vents, dump and frost drains for operation and leakage.  If loose bladders are used check for leakage and expiry date as applicable. Ensure outside temp gauge is fitted and reads ambient temperature. | N/A |
| 41 | **Tailplane and elevator** | With tailplane de-rigged check tailplane and attachments, self-connecting and manual control connections, check condition of gel coat, fabric or metal skin.  All turbulator tapes are fitted correctly and in secure.  Check condition and fitment of sealing tape ref BGA Inspection 009/10/2000  Control tape and Mylar seal inspection ref BGA Inspection 011/12/2000  Wooden structure inspection ref BGA Inspection 047/02/2006 |  |
| 42 | **Left wing** | Check mainplane structure externally and internally as far as possible. All vents and drain holes are clear. Check gel coat or fabric covering. Check registration marks are correctly applied. Ensure all boundary layer blow holes are not blocked and pressure feed system for them is serviceable. All turbulator tapes are fitted correctly and in secure.  Ensure compliance with Generic Requirement 8, Fabric Inspection  Wooden structure inspection ref BGA Inspection 047/02/2006 |  |
| 43 | **Left wing controls** | Inspect aileron and Flaperon assemblies, hinges, control connections, springs/bungees, tapes and seals. Ensure that seals do not impair full range of movement.  Control tape and Mylar seal inspection ref BGA Inspection 011/12/2000 |  |
| 44 | **Left air brake/spoiler** | Inspect air brake/spoiler panel(s) operating rods, closure springs, and friction devices as fitted. Check locking forces if specified by manufacturer or AD |  |
| 45 | **Left Flap** | Check flap system and control. Inspect self-connecting control devices. |  |
| 46 | **Right wing** | Check main plane structure externally and internally as far as possible. All vents and drain holes are clear. Check gel coat or fabric covering. Check registration marks are correctly applied. Ensure all boundary layer blow holes are not blocked and pressure feed system for them is serviceable. All turbulator tapes are fitted correctly and in secure.  Ensure compliance with Generic Requirement 8, Fabric Inspection  Wooden structure inspection ref BGA Inspection 047/02/2006 (5 year repeat) |  |
| 47 | **Right wing controls** | Inspect aileron and Flaperon assemblies, hinges, control connections, springs/bungees, tapes and seals. Ensure that seals do not impair full range of movement.  Control tape and Mylar seal inspection ref BGA Inspection 011/12/2000 |  |
| 48 | **Right air brake/spoiler** | Inspect air brake/spoiler panel(s) operating rods, closure springs, and friction devices as fitted. Check locking forces as specified by AMM or AD |  |
| 49 | **Right Flap** | Check flap system and control. Inspect self-connecting control devices. |  |
| 50 | **Bonding/vents/drain** | Check all bonding leads & straps. Check all vents and drains are clear from debris. |  |
| 51 | **Lubrication** | Lubricate and replenish fluids in accordance with manufacturers requirements |  |
| 52 | **Markings** | Check side and under-wing markings are correct. If applicable, an exemption for alternate display is approved. Ident plate for CAA registered aircraft present. Identification plate for National aviation authority registered aircraft is present. Other identification markings in accordance with local (national) rules. BGA Number on fuselage for BGA registered aircraft. |  |
| 53 | **Mandatory checks** | Check for compliance of all mandatory modifications, airworthiness directives and inspections applicable to the Airframe, accessories & equipment. Record compliance in the logbook.  State of design Type certificate and STC holder AD list, BGA Compendium, BGA Technical News Sheet, BGA Mandatory inspections, Manufacturers mandatory check list (if available). |  |
| 54 | **Manufacturers recommendations and life inspections** | Review manufacturers maintenance schedules and instructions for continued airworthiness for the airframe to establish if any additional work, servicing or preservation action is required (enter in  **Any Deviations from TCDS holders recommendations must be recorded and signed for by the owner.** |  |
| 55 | **Control deflections & free play** | Check and record range of movements and cable tensions (if specified) check free play. |  |
| 56 | **Duplicate inspections** | Record each item requiring a duplicate inspection on an additional worksheet and complete prior to releasing aircraft back to service. |  |
| 57 | **Weighing** | Review weighing record to establish accuracy against installed equipment  Check date of last weighing (BGA Maximum deviation period for re-weigh is 8 years or after painting). See Generic Requirement 10 and BGA AMP. How ever between 8 year cycles the C of G must be calculated in accordance with Part NCO. For EL1 aircraft the mass and centre of gravity (CG) position should be revised whenever the cumulative changes to the dry operating mass exceed ± 0.5 % of the maximum landing mass or, for aeroplanes, the cumulative change in CG position exceeds 0.5 % of the mean aerodynamic chord. This may be done by weighing the aircraft or by calculation. If the AFM requires to record changes to mass and CG position below these thresholds, or to record changes in any case, and make them known to the pilot-in-command, mass and CG position should be revised accordingly and made known to the pilot-in-command. |  |
| 58 | **Speed/weight/**  **manoeuvre placard** | Check placard is correct and legible and accurately reflects the status of the aircraft |  |
| 59 | **Hours** | Hours at this inspection |  |
| 60 | **Launches** | Launches at this inspection |  |
| 61 | **Modifications** | Review Log Book and verify that any modifications incorporated since last Airworthiness Certificate or ARC renewal have been approved and correctly embodied and recorded |  |
| 62 | **Log book** | Complete log book entry. Ensure that all flying records are entered and up to date. |  |
| 63 | **Flight manual** | Verify that the Aircraft Flight Manual or Operating Handbook is at the latest revision. |  |
| **Tasks 64 to 89 are only applicable to Powered Sailplanes** | | | |
| 64 | **Engine pylons & mountings & flexible vibration dampers and starter motor (if fitted)** | Inspect engine and pylon installation. Check engine compartment and fire sealing. Check pylon for cracks and delamination if made from composites. Ensure all rubber parts (especially engine mounts) are not perished, cracked or deteriorated. Check starter motor security, casing, wiring, condition of drive gear and flywheel if fitted. |  |
| 65 | **Gas strut** | Check gas strut with AMM |  |
| 66 | **Pylon/engine stops** | Check limit stops on retractable pylons. Check restraint cables |  |
| 67 | **Electric actuator** | Inspect electric actuator, motor, spindle drive and mountings |  |
| 68 | **Electrical wiring, external and internal lights/strobes/beacons** | Inspect all electrical wiring. Pay special attention to wiring that is subject to bending during extension and retraction of engine/pylon.  Check function of all lights. |  |
| 69 | **Limit switches** | Check operation of all limit switches & strike plates. Ensure not damaged by impact. |  |
| 70 | **Fuel tank** | Check fuel tank mountings, electrical bonding and tank integrity. Check fuel quantity indication system if fitted. If a GRP tank is fitted ensure the integrity of the internal resin in case it has been effected by ethanol and other containments contained in certain fuels. Filling nozzle receptacle correctly labelled |  |
| 71 | **Fuel pipes & vents** | Check all fuel pipes especially those subject to bending during extension and retraction of engine/pylon. Check vents clear. Ensure overboard drains do not drain into engine compartment. Check self-sealing couplings. Ensure all swaged fittings, jubilee clips are secure and there is no perishing. |  |
| 72 | **Fuel cock or SOV** | Check operation of fuel cock or shut off valve & indications |  |
| 73 | **Fuel pumps and filters** | Clean or replace filters as recommended by manufacturer  Check operation of fuel pumps for engine supply or tank replenishment  Check fuel pump controls and indications |  |
| 74 | **Decompression valve** | Inspect decompression valve and operating control | N/A |
| 75 | **Spark plugs** | Carry out spark plug service. It is recommended to replace spark plugs at annual intervals |  |
| 76 | **Harnesses & Magneto** | Inspect low tension and high-tension wiring, connectors, spark plug caps. Check magneto to engine timing. Check impulse coupling operation. |  |
| 77 | **Propeller** | Inspect propeller, hub, prop bolts torque (if require) folding mechanism, brake, pitch change mechanism, stow sensors, belts and pulleys condition and tension. Lubricate all as required by TCDS holder. Check overhaul period and TBO of propeller. |  |
| 78 | **Doors** | Check engine compartment doors, operating cables, rods and cams. |  |
| 79 | **Safety springs** | Check all safety and counterbalance springs. |  |
| 80 | **Extension and retraction** | Check extension and retraction operation times are within limits specified by manufacturer. Check light indications and interlocks for correct operation. Check for factory software updates every year. |  |
| 81 | **Exhaust, Turbocharger, Cabin and Carburettor heat.** | Inspect exhaust system, silencer, shock mounts and links. Pressure test cabin and carb heater exhaust heat exchanger (if applicable). Check turbocharger as required by TCDS holder.  See CAA CAP 562 CAAIP Leaflet B-190 for further guidance |  |
| 82 | **Engine installation** | Inspect engine and all accessories. Carry out compression test and record results on worksheet. |  |
| 83 | **Lubrication** | Change engine oil and filter (cut filter open and check gauze for contamination and metal). Replenish oil and additive tanks |  |
| 84 | **Engine instruments and controls** | Inspect all engine instruments and controls. Check control unit, mounts, bonding and connections. Carry out internal self-test if fitted. Check engine and propeller controls for full and free movement – throttle, mixture, carburettor heat, cowl flaps and propeller pitch |  |
| 85 | **Engine battery** | (if separate to airframe battery) Inspect battery and mountings. If main fuse is fitted check rating and condition. Carry out capacity test, refer to AMM l for guidance |  |
| 86 | **Placards** | Check all placards in accordance with Flight/Maintenance manual and are legible. |  |
| 87 | **Oil and fuel leaks** | Perform ground run (except with dive start engines) Check temperatures and pressures and indication within permitted range. With the engine fully serviced (and ideally still warm from a check run) check the fuel and oil system for leaks |  |
| 88 | **Mandatory checks** | Check for compliance of all mandatory modifications, airworthiness directives and inspections applicable to the engine, propeller, accessories & equipment. Record compliance in the logbook.  TCDS holder AD list, EASA AD list, Equipment ADs (including Technical notes and service bulletins) BGA Compendium, BGA Technical News Sheet, BGA Mandatory inspections, BGA compendium in service issues, Manufacturers mandatory check list (if available) and Factory service bulletins and Technical notes |  |
| 89 | **Manufacturers**  **Recommendations** | Review manufacturers maintenance schedules and instructions for continued airworthiness for the engine/propeller to establish if any additional work is required. All recommendations not carried out require an owner declare deviation. |  |
|  |  | Items 90 onwards are additional tasks as required by manufacturers recommendations and repeat mandatory tasks. |  |
| 90 | **Propeller** | Dismount propeller for inspection especially for cracks at the hub boss. MM 2.2B |  |
| 91 | **LBA AD 1993-001/3** | Inspect L’Hotellier connectors i.a.w. AD and MM 2.2 B Record compliance in aircraft log book |  |
| 92 | **LBA AD 1997-011** | Inspect airbrakes and airbrake torque tube i.a.w. TN 826/34 Record compliance in aircraft log book |  |
| 93 | **BGA inspection 056-08** | Check security of stick and airbrake grips |  |
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| **EASA Mandatory items.** Add ALIs (found in section 4 of modern AMM and TCDS), only add EASA and State of Design ADs carried out at this annual (add more rows/lines if required) | | | | | |
| MM 0.4.3,0.4.4 | |  | Replace seat harness webbing straps | 12 years | |
| MM 0.4.3 | |  | Replace fuel pipes in fuselage | 6 years | |
| MM 0.4.3 | |  | Replace fuel pipes at engine | 3 years | |
| MM 0.4.3 | |  | Replace spark plugs | 25 engine hrs | |
| MM 0.4.3 | |  | Replace propeller bearings | 300 engine hrs | |
| MM 0.4.3 | |  | Replace relays | 300 engine hrs | |
| MM 0.4.3 | |  | Replace drive belt | 300 engine hrs | |
| MM 0.4.3 | |  | Replace engine nuts/bolts | 300 engine hrs | |
| MM 0.4.4 | |  | Overhaul Tost release hook | 10000 actuations | |
| MM 0.4.2 | |  | Airframe life inspections | 3000h, 6000h etc | |
| LBA AD 1993-001/3 | |  | Inspect L’hotellier connectors, see also MM 2.2 | Annual | |
| LBA AD 1997-011 | |  | Inspect airbrakes and airbrake torque tube i.a.w. TN 826/34 | Annual | |
|  | **BGA CAMO requirements**. Found in BGA compendium (add more rows/lines below if required) | | | |  | |
| BGA inspection 056-08 | |  | Check security of stick and airbrake grips as required by AAIB recommendation | Annual | |
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| Add any Deviations from TCDS holder and equipment manufacture recommendations from mandatory service bulletins, AMM, AFM and TCDS. The BGA requires justification and Acceptable Means of Compliance for Deviations. No deviations are permitted from Airworthiness Directives or mandatory maintenance (ALIs) or BGA CAMO requirements as specified in the maintenance/flight manuals, TDCS, ADs and BGA compendium (add more rows/lines if required) | | | | | ***Owner must sign & date below*** |
| Service/life/tbo Interval | | | Task Description | Engineering justification and alternative means  of compliance (AMC).  Add extra documents to this MIP section as required to support AMC and engineering justification of a deviation. |  |
| Original TC holder recommendations  (hrs/cyc/cal) |  | Changed to |  |
| 200 flight hrs and annually |  | Annual | Inspect rudder control circuit and rudder seal (see MM 2.2) | The most this aircraft has been flown per year is less than 100 hrs |  |
| 3 monthly |  | Annual | Careful inspection of all control circuits, hinges etc (see MM 2.2 C) | Inspection of integrity for flight is a daily check |  |
| 3 monthly |  | Annual | Check canopy emergency release (see MM 2.2 C) | No evidence of difficult canopy release from any previous test |  |
| 4 years or after influential event |  | 8 years or after influential event | Check aircraft weight and balance | Brought in line with BGA recommendation |  |
| Every 25 engine hrs |  | Annual (except spark plugs) | Engine 25 hour inspection (MM 3.4.1) | Importance of internal cylinder visual inspection |  |
| Pre-flight checks |  | Not Adopted | Rotax SB-505-010 R1 3.1 Pre-flight checks | Follow instructions in Flight Manual |  |
| Daily checks |  | Not Adopted | Rotax SB-505-010 R1 3.2 Daily checks | Follow instructions in Flight Manual |  |
| 1st 2hr and 10hr then 12.5hr/1yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.1 Ground run | Engine is normally run as part of daily check. Also now checked annually (MM 3.4.1) |  |
| 1st 10hr then 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.2 Re-torque cylinder head nuts | Especially with revised(steel) gasket any leakage easily witnessed so considered not necessary |  |
| 5 engine hrs/1yr |  | Annual | Rotax SB-505-010 R1 3.3.1.3 Carry out CCBCT check and record readings | Historic engine usage has rarely exceed 5 hrs per year |  |
| 1st 10 hr then 50hr/2yr |  | Annual | Rotax SB-505-010 R1 3.3.1.4 Re-torque exhaust manifold screws | Manifold now removed annually (MM 3.4.1) |  |
| 50 hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.5 Engine visual check | Part of Annual check (see MM 3.4.1 and MIP) |  |
| 1st 10hr then 12.5hr/1yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.6 Check rewind starter rope | N/A for this engine |  |
| 1st 10hr then 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.7 Check electric starter gear | Part of Annual check |  |
| 12.5hr/1yr |  | Annual | Rotax SB-505-010 R1 3.3.1.8 Inspect spark plugs | Part of Annual check. Also engine usage unlikely to exceed 5hrs per year |  |
| 25hr/1yr |  | 25 hr | Rotax SB-505-010 R1 3.3.1.9 Replace spark plugs | See MM 3.4.1 Also engine usage unlikely to exceed 5hrs per year |  |
| 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.10 Check ignition system | Part of Annual check |  |
| 12.5hr/1yr |  | Annual | Rotax SB-505-010 R1 3.3.1.11 Check/clean inside spark plug caps + fixation | Engine usage unlikely to exceed 5hrs per year |  |
| 25hr/1yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.12 Lubricate ball joints of exhaust | N/A for this engine |  |
| 150hr/5yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.13 Replace exhaust muffler springs | No need to replace unless broken or otherwise defective |  |
| 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.14 Lubricate control cables | Part of Annual check |  |
| 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.15 Check propeller balance and tracking | Check of balance not necessary if propeller undamaged. Tracking checked whenever propeller refitted (Annual requirement) |  |
| 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.16 Inspect propeller mounting bolts | Part of Annual check |  |
| 25hr/1yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.17 Clean and oil air filter | N/A for this engine |  |
| 12.5hr/1yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.18 Check fuel filter | Filter replaced annually ( MM 3.4.1 ) |  |
| 25hr/1yr |  | Annual | Rotax SB-505-010 R1 3.3.1.19 Replace fuel filter | Engine usage unlikely to exceed 5hrs/year. ( Also see MM 3.4.1 ) |  |
| 1st 10hr then 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.20 Check carburettor(s) and re-adjust | See MM 3.4.1 Carburettor check now an annual check. Adjust if necessary. |  |
| 50hr/2yr |  | Annual | Rotax SB-505-010 R1 3.3.1.21 Clean carburettor(s). Check wear |  |  |
| 50hr/2yr |  | Not Adopted  Alternative annual check | Rotax SB-505-010 R1 3.3.1.22 Check fuel pump (measure fuel pressure) | Follow MM 3.4.1 item 34. ( Also see FM 4.3.1 pre-flight checks ) Aircraft also has electric fuel pump |  |
| 300hr/6yr |  | 300 engine hrs | Rotax SB-505-010 R1 3.3.1.23 Replace fuel pump | Internal valve membranes not rubber, not affected by fuel. Also aircraft has electric fuel pump |  |
| Various |  | N/A | Rotax SB-505-010 R1 3.3.1. 24 to 29 | N/A for this engine |  |
| 100 engine hrs/3yr |  | 3yr | Rotax SB-505-010 R1 3.3.1.30 Check resistance of charging coil(s). (280-330 Ohm) | Engine usage unlikely to exceed 5hrs/yr |  |
| Various |  | N/A | Rotax SB-505-010 R1 3.3.1.31 to 33 | N/A for this engine |  |
| 100hr/3yr |  | Annual | Rotax SB-505-010 R1 3.3.1.34 Inspect cylinder head and piston crown | Use MM 3.4.1 item 11( examine via ports without cylinder head removal ) |  |
| 100/3yr |  | Annual | Rotax SB-505-010 R1 3.3.1.35 Inspect piston rings for free movement | Examine via ports without cylinder head removal if possible |  |
| 100hr/3yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.36 Check piston diameter | No evidence from previous (3) checks of significant wear (related to usage, not calendar time) |  |
| 100hr/3yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.37 Piston ring: check gap | No evidence from previous (3) checks of significant wear (related to usage, not calendar time) |  |
| 100hr/3yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.38 Piston ring: check axial clearance (rectang-ring) | No evidence from previous (3) checks of significant wear (related to usage, not calendar time) |  |
| 100hr/3yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.39 Check cylinder diameter | No evidence from previous (3) checks of significant wear (related to usage, not calendar time) |  |
| 100hr/3yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.40 Check cylinder roundness | No evidence from previous (3) checks of significant wear (related to usage, not calendar time) |  |
| 100hr/3yr |  | 50 engine hrs or as required | Rotax SB-505-010 R1 3.3.1.41 Replace cylinder head, cylinder base and exhaust gaskets |  |  |
| 50hr/2yr |  | N/A | Rotax SB-505-010 R1 3.3.1.42 Check decompressor | N/A for this engine |  |
| 50hr/2yr |  | Annual | Rotax SB-505-010 R1 3.3.1.43 Compression check |  |  |
| 100hr/3yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.44 Inspect piston pin and bearing | Previous(3) inspections have not shown any corrosion despite low usage, so reasonably safe to disregard calendar time limitation. Annual CCBCT check should reveal adverse wear caused by corrosion. |  |
| 150hr/5yr |  | N/A | Rotax SB-505-010 R1 3.3.1.45 Replace piston pin and small end bearing | Only applies if caged bearing installed. N/A for this engine |  |
| 150hr/5yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.46 Replace outer seals and main bearings if necessary | Outer seals may be replaced but not possible to deal with defective main bearings by other than complete overhaul |  |
| 150hr/5yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.47 Replace fuel hose | Apply instruction in MM 0.4.3 |  |
| 150hr/5yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.48 Replace carburettor membranes | Replace as required as described by MM 3.4.5 |  |
| 25hr/1yr |  | Annual | Rotax SB-505-010 R1 3.3.1. 49 Check compliance with service bulletins |  |  |
| 300hr/6yr |  | 50 engine hrs | Rotax SB-505-010 R1 3.3.1.50 Check pistons rings and use oversize pistons if necessary |  |  |
| 50hr/2yr |  | Not Adopted | Rotax SB-505-010 R1 3.3.1.51 Inspect crankshaft run-out (PTO & MAG) | No information or test limits quoted. Rotax engine Repair Manual describes checking by mounting crankshaft between lathe centres. |  |
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| General Remarks | | | | | | |
| Date of ARC or BGA C of A expiry:  Other remarks: | | | | | | |
| Record identifying marks. | Fin: | | Fuselage: | | | Under wing: |
| **Certificate of Release to Service** | | | | | | |
| All work has been recorded in the appropriate logbook and all additional worksheets have accounted for and certified and for BGA registered gliders.  EASA Aircraft - **Certifies that the work specified, except as otherwise specified, was carried out in accordance with Part-M and in that respect is considered ready for release to service. BGA Approval No. UK.MF.0007.** | | | | | | |
| (\* Written signature required) | | | | | | |
| Inspector Name: | | Signed \*: | | Date: | BGA Authorisation No: | |