

Section 2

Daily Inspection

Some tasks may not be applicable depending on the glider type, equipment installed and previous use. This DI is assuming that the aircraft has been rigged before flight and items such as batteries have been installed.

Task	Area	Details of the inspection
1	General	Remove frost, ice, snow or water if present. Ensure that the interior of the aircraft is reasonably clean and free of clutter and rubbish. Ensure that all loose equipment is correctly stowed and accounted for. Review DI book or Technical Log to ensure previously reported defects are addressed. Review Aircraft Flight Manual for any specific inspection tasks.
2	Wings	Inspect skin/covering, flying controls, struts, fairing for obvious defects, damage and security. Inspect fitment and locking of main de-rigging points. Inspect fitment and locking of QR flying control and wing extension connections. Flying control cables and controls rods as visible for tension or operation. Inspect condition of wing joint sealing tape. Check water ballast drains for correct operation. Check drain holes clear. Inspect tip wheel/skid for damage, security and operation.
3	Fuselage & Empennage	Inspect skin/covering, flying controls, struts for obvious defects, damage and security. Inspect fitment and locking of tail de-rigging points. Check water ballast drains for correct operation. Check drain holes and static vents clear. Check Pitot/static or Total Energy probes for damage, security and ports clear. Check release hook(s) for damage and security. Carry out function check, including back release.
4	Landing gear	Inspect main, nose/tail wheels and tyres for wear, security, damage, correct extension, inflation and tyre creep. Inspect wheel brake for leakage and condition and fluid level. Check operation of wheel brake. Inspect Main/Tail Skid for damage and security.
5	Cabin	Check flying controls for operation and sense. Perform positive control check. Check flying control Bungee springs for damage, misalignment and security.

	Cabin (cont.)	<p>Check seat, rudder pedal and any other adjustable control for operation and locking.</p> <p>Check battery is charged, correctly located and secure and connections are tight.</p> <p>Check instruments for readings consistent with ambient conditions.</p> <p>Check navigation and soaring equipment as appropriate.</p> <p>Inspect seat(s) and Harnesses. Check operation of QR release buckle.</p> <p>Check cushions including energy adsorbing cushions for condition and security.</p> <p>Check oxygen quantity for intended flight is sufficient and bottle is secure. Check mask is clean and secure.</p> <p>Check all markings and loading placards are present and legible.</p> <p>Check for correct ballast weights properly installed and secured.</p>
6	Canopy	<p>Check canopy for damage, security and cleanliness.</p> <p>Clean canopy if necessary. Use soft cloth, NOT paper towel.</p> <p>Inspect jettison controls for inadvertent operation.</p> <p>Check Direct Vision window for operation and cleanliness.</p> <p>Check slip wool is present and is in a satisfactory condition.</p>
7	Powerplant	<p>With engine raised or cowlings open;</p> <p>Inspect engine, accessories and engine bay as visible for damage, security, and signs of overheating or leaks.</p> <p>Inspect propeller blades, hub and folding device for damage and security.</p> <p>Check engine controls and switches, carry out self test if installed.</p> <p>Check lubricating or additive oil quantity.</p> <p>Check fuel tank water drain.</p> <p>Check sufficient fuel quantity of correct grade/mix for intended flight. Filler cap tight.</p> <p>Check fuel filter if external inspection is possible.</p> <p>Check coolant level.</p> <p>Inspect air intake and filters.</p> <p>Inspect Exhaust system for damage, security and evidence of leaks.</p> <p>Retract engine or close cowlings and check secure.</p>
8	Personal Equipment	<p>(It is recommended to include the following items in the DI)</p> <p>Check parachute for condition, signs of tampering and packing date expiry.</p> <p>Check GPS, Barograph or flight logger is on board aircraft and serviceable.</p> <p>Check drinking water, hat, gloves, maps & charts, task details etc.</p> <p>Check personal relief bottle/tube is ready for use.</p> <p>Water ballast uplifted.</p>