

This fixed wing aircraft inspection schedule is the basic annual inspection to maintain the airworthiness of your over 25kg model aircraft.

If your aircraft has additional inspections that are needed, add them to the relevant section or create a new section. Delete all inspection sections / items that do not apply to your aircraft.

LMA Registration Number	
Aircraft Type / Name	
Aircraft Classification	Fixed Wing Power / Powered Glider / Pure Glider
Operator	
Date of Inspection	

<b>1- General Airframe</b>			
Task Number	Task	Completed	Notes
101	All access hatches and doors – security, correct latching and locking.		
102	Airframe – overall condition		
103	Control Surfaces – Hinges secure, full and free movement, control horns / arms secure, balance weights attached		
104	Covering – Security and freedom from damage		

<b>2- Wooden Structures</b>			
Task Number	Task	Completed	Notes
201	All glue joints – soundness and freedom from disbonding		
202	All structural wood – soundness and freedom from degradation		
203	Wood / metallic fittings - freedom from crushing, deformation or damage of the wood		
204	Wood engine attachments - freedom from crushing, deformation or damage of the wood		

<b>3- Composite Structures</b>			
Task Number	Task	Completed	Notes
301	All glue joints – soundness and freedom from disbonding		
302	Whole structure – soundness and freedom from delamination		
303	Composite / metallic fittings, freedom from crushing, deformation or damage		

<b>4- Piston Engine System(s)</b>			
Task Number	Task	Completed	Notes
401	Engine controls full and free movement - throttle, choke		
402	Exhaust, physical condition and attachments		
403	Fuel lines, physical condition		
404	Fuel filters, cleaned as necessary		
405	Fuel tank, physical condition		
406	Ignition lead(s), physical condition and security		
407	Propeller physical condition and attachment secure		
408	Engine mount(s) to structure – physical condition and security		

<b>5- Electric Motor Power System(s)</b>			
Task Number	Task	Completed	Notes
501	Motor Controller(s) - physical condition, electrical connections and physical attachments		
502	Motor – electrical connections, smooth rotation, bearing play, physical condition		
503	Power connectors – physical condition, arcing damage		

504	Power lead(s) - physical condition, and security		
505	Propeller - physical condition and attachment secure		
506	Batteries – attachment security, physical condition, charge state and actual capacity		
507	Mount(s) to structure - physical condition and security		

<b>6- Turbine Engine System(s)</b>			
Task Number	Task	Completed	Notes
601	Overall engine run time – need for service / overhaul or on condition		
602	Engine turbine & compressor physical condition		
603	Engine mountings to structure - physical condition		
604	Fuel lines - physical condition and routing / attachments condition		
605	Fuel filters - cleaned / replaced as necessary – physical condition, mounting & orientation		
606	Fuel tank(s) - physical condition and attachments condition		
607	Engine wiring - physical condition and security		
608	Engine valves - physical condition and security		
609	Batteries – attachment security, physical condition, charge state and actual capacity		

<b>7- Flight Control System</b>			
Task Number	Task	Completed	Notes
701	Transmitter - physical condition, all controls work smoothly, battery charge state and actual capacity		
702	Receivers - physical condition, all connectors secure and attachment security		
703	Power Distribution Equipment - physical condition, all connectors secure and attachment security		
704	Gyro - physical condition, all connectors secure and attachment security		
705	Servos – smooth operation, physical condition, security of mounting, secure output arm		
706	Control Linkages – all fasteners secure, free play		
707	Power switches - physical condition, operation and security		
708	Power wiring - physical condition and security		
709	Batteries – attachment security, physical condition, charge state and actual capacity		

<b>8- Landing Gear</b>			
Task Number	Task	Completed	Notes
801	Landing Gear Structure – physical condition, mountings secure		
802	Wheels / Tyres - physical condition, wear, inflation pressure		
803	Steering Nose / Tail Wheel - correct operation, physical condition, all linkages secure		
804	Brakes – correct operation, physical condition, all connectors secure and attachment security		
805	Extension / Retraction – smooth operation, security of up & down locking		

806	Pneumatics – reservoir(s) physical condition, pipework physical condition and security, connectors condition and leaks		
807	Servos / valves – smooth operation, physical condition, security of mounting, leaks		
808	Electrical – controller physical condition, connector security, security of mounting		
809	Power switches - physical condition, operation and security		
810	Power wiring - physical condition and security		
811	Batteries – attachment security, physical condition, charge state and actual capacity		