

Annual Inspection Form				
		Date:		
		Aircraft Type:		
		Registration #:		
		Serial #:		
		Engine Model:		
		Engine serial #:		
		Propeller Model:		
		Airframe Hours:		
		engine Hours:		
		Owner:		
Sat.	Unsat.	N/A	Regulatory Prerequisites & Placards	Notes
			Registration	
			Airworthiness Certificate or part 103 exemption paper	
			Aircraft ID plate installed at proper location	
			N-number proper size (3") & location	
			EXPERIMENTAL proper size (2") & location	
			PASSENGER WARNING placard proper location	
			FOR INSTRUCTION USE installed in proper location	
			Weight & Balance calculation & within spec.	
Sat.	Unsat.	N/A	Wing	Notes
			Remove inspection plates & fairings	
			General inspection of interior/exterior of the wing	
			Aileron hinges, horns & attachments	
			Flaps movement & condition	
			Skin condition (wrinkles, cracks, tears, rivets loose)	
			Skin panel delamination test (coin toss)	
			Rib stitching or other fastener condition	
			Flight controls balance weight secure	
			Flight controls attachment (no slop)	
			Flight control hinges & rod end bearings	
			Flight controls properly rigged & tensioned	
			Inspect all control stops for security	
			Trim control properly rigged	
			Trim control surfaces & hinges	
			Control cable condition	
			Pulley condition	
			Wing attach points on fuselage	
			Strut condition	
			Corrosion	
Sat.	Unsat.	N/A	Fuel System	Notes
			Corrosion	
			Fuel line condition	
			Clean fuel tank sumps (water & debris)	
			Fuel caps security & venting	
			Fuel placard	
			Fuel valve operation	
			Clean & replace filters	
			Clean & inspect gascolator (safety wire)	
			Fuel vent system OK	
			Clean carb bowl	
Sat.	Unsat.	N/A	Landing Gear	Notes
			Gear legs no cracks or corrosion	
			Tire pressure	
			Wheel alignment	
			Check all bushings for wear & free play	
			Wheel bearing lubrication	
			Wheels/tires for wear or cracks & corrosion	
			Nose gear for cracks & suspension	
			Tail wheel for cracks, tracking & rudder clearance	
			Brake line wear	
			Brake discs for wear or cracks	
			Brake hydraulic lines for leaks & security	
			Brake fluid level	

			Brake levers/pedals & cables	
Sat.	Unsat.	N/A	Tail Assembly	Notes
			Vertical fin attach points	
			Vertical Fin movement & condition	
			Rudder hinges, horns, & attachments	
			Rudder trim condition	
			Elevator hinges, horns, & attachment	
			Trim Tabs movement & no binding	
			Control cables tension, fraying, kinks, security wired	
			Control stops	
			Skin condition (wrinkles, cracks, tears, rivets loose)	
Sat.	Unsat.	N/A	Fuselage	Notes
			Remove inspection plates & panels	
			Inspect bulkheads & stringers for loose rivets & skin	
			Fabric & tape condition	
			Windows & canopy for security, cracks & fit	
			Doors & canopy latch mechanism	
			Canopy overall condition	
			Cables & pulleys attachment & operation	
			Inspect panels & fairings	
Sat.	Unsat.	N/A	Cockpit & Interior	Notes
			Seat belts functional	
			Shoulder Belt functional	
			Shoulder Belt anchor points firm & no interference	
			Seat & seat tracks OK, stops on rails	
			Brake Pedals operation & condition	
			Cockpit fresh air vents	
Sat.	Unsat.	N/A	Flight Controls	Notes
			Cable Tension OK	
			Safety Wiring of cables	
			Control stick movement & clearance, no hitting	
			Freedom of movement	
			Proper operation direction	
			Rudder pedals operation & condition	
Sat.	Unsat.	N/A	Electrical	Notes
			Spare fuses available	
			Inspect breaker/fuse panel, no corrosion	
			Wiring secure & not chaffed	
			Battery condition, corrosion free & vented	
			Battery securely mounted & terminals insulated	
			Grounds OK (battery, engine, airframe)	
			Inspect all antenna mounts & wiring	
			ELT battery replaced & corrosion free	
			Strobe light functional	
			Position lights functional	
			Landing light functional	
			Instrument lights functional	
			System voltage	
			Radio installation & security	
Sat.	Unsat.	N/A	Engine Compartment	Notes
			Perform cylinder compression check #1, #2,	
			Replace sparkplugs & regap	
			ignition harness condition & chafing	
			Check ignition timing & point gap	
			Change engine oil & filter (check for metal)	
			Change prop gear box oil, (check for metal)	
			Engine mount secure & cracks	
			Check engine mount bolts & torques	
			Engine oil or exhaust leaks	
			Cylinder inspection for cracks & oil or exhaust leaks	
			Engine or radiator baffle condition	
			Cabin heat ducting has no cracks or defects	
			Carb heat air box & exhaust muff no cracks or defects	

			Carb heat control functional	
			Choke & throttle cable attachment & operation	
			Oil cooler/radiator fins OK	
			intake hoses & seals	
			Muffler & exhaust condition OK	
			Muffler joints free, exhaust springs condition & safety wire	
			Fuel line condition	
			Firewall condition	
Sat.	Unsat.	N/A	Propeller	Notes
			Prop nicks, cracks, delamination	
			Prop bolt torque, safety wired & correct type	
			Prop clearance with air frame (7"min. @ takeoff)	
			Prop tracking	
			Spinner & back plate, no cracks, clears cowl, alignment	
Sat.	Unsat.	N/A	Operation Inspections	Notes
			Brake functional check	
			Engine Test Run	
			Engine starts easily	
			Instruments functioning properly & within limits	
			Tach	
			Oil Pressure	
			Oil Temp	
			Volts	
			Hourmeter	
			CHT	
			EGT	
			Idle RPM	
			Carb heat function, rpm drop is XXX	
			Mag drop left rpm is XXX	
			Mag drop right rpm is xxx	
			Chokes are functional	
			Fuel gages operational	
			Mixture/throttle/prop controls functional & smooth	
			Fuel shutoff valve works	
			No abnormal vibration or sound	
			Paper Work	Notes
			Record all findings in engine log book	
			Record all findings in aircraft log book	
			Check with plane kit company for mandatory upgrades	
			Check with engine company for mandatory upgrades	
			Performed by _____ Date: _____	