Engine Maintenance Manual Jabiru Aircraft Pty Ltd JEM0002-5 Jabiru 2200 & 3300 Aircraft Engines

WARNING

Before starting work on the engine it is recommended that the engine starter be disabled (via disconnecting the starter solenoid or similar) to reduce the risk of injury from inadvertent engine start.

Table 13 - Engine Inspection Chart

	Annual Increation					
	Annual Inspection]
	Each 200 Hours				Ī	
	Each 100 Hours			_		
	Each 50 Hours					
	Each 25 Hours					
PRO	PELLER					
1.	Spinner		*	*	*	*
2.	Spinner Mount Plates		*	*	*	*
3.	Spinner Screws		*	*	*	*
4.	Propeller		*	*	*	*
5.	Prop Tracking		*	*	*	*
6.	Propeller bolts/nuts – Tension		*	*	*	*
7.	Spinner Tracking		*	*	*	*
ENGI	INE & ENGINE COMPARTMENT					
	ek for oil, fuel exhaust & induction leaks then clean e engine & compartment before inspection.					
1.	Engine Pre-Inspection Test Run		*	*	*	*
2.	Engine Cowlings		*	*	*	*
3.	Inspection of Engine & Compartment – Pre Cleaning	*	*	*	*	*
4.	Clean Engine & Compartment			*	*	*
5.	Inspection of Engine Compartment – Clean. (Includes Torque-Seal check on through-bolts)			*	*	*
6.	Perform Basic Visual Inspection of Flywheel Screws		*	*	*	*
7.	Check flywheel screw tensions			*	*	*
8.	Carburettor air filter – Check & replace if required		*	*	*	*

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Engine Maintenance Manual

Jabiru Aircraft Pty Ltd



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Jabiru 2200 & 3300 Aircraft Engines

Annual Inspection Each 200 Hours Each 100 Hours Each 50 Hours Each 25 Hours Carburettor air filter - mandatory replacement 9. * Engine baffles and air ducts 10. 11. Cylinders 12. Crankcase & front crankcase seal 13. Fuel hoses, lines and fittings 14. Intake and exhaust systems 15. Ignition harness, distributor caps & rotors 16. Check Spark Plug Gaps 17. Replace Spark Plugs * * 18. Compression check or leak-down check 19. Electrical wiring 20. Engine-Driven Fuel pump * 21. Engine controls and linkages * * 22. Engine mounts, mount structure 23. Safety Wires 24. Starter, solenoid and electrical connections 25. Coils and electrical connections 26. Carburettor heat system 27. Throttle and linkage 28. Carburettor 29. Oil system tubes and hoses 30. Firewall 31. Oil Collector Bottle on Firewall

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	Annual Inspection					
	Each 200 Hours					
	Each 100 Hours					
	Each 50 Hours					
	Each 25 Hours					
32.	Exhaust system – including muffler		*	*	*	*
33.	Cylinder Head bolt tension		*	*	*	*
34.	Inspect valve springs & rockers			*	*	*
35.	Valve Clearance Check (solid lifter engines only)		*	*	*	*
36.	Hydraulic Lifter & Rocker Inspection			*	*	*
37.	Oil & filter change	*	*	*	*	*
38.	SCAT hose condition		*	*	*	*
39.	Engine Post-Inspection Test Run		*	*	*	*
Fuel Syst	eem					
1	Replace fuel filter(s)			*	*	*
2	Drain valves, carburettor bowl		*	*	*	*
3	Electronic fuel boost pump and fittings			*	*	*
4	Fuel lines, taps and connectors			*	*	*
5	Fire sleeves			*	*	*
6	Fuel Flow Rate					*

8.6 Pre-Maintenance Inspections:

- As all possible circumstances cannot be listed here, the following is provided as guidance only.
 A critical, trained eye is required and inspections should include, but not be limited to, the following:
- Carry out a walk-around visual inspection of the aircraft, engine & propeller.
- When indicated in Table 13 carry out an engine test run as detailed in Section 9.1 to determine any abnormalities before maintenance.
- When indicated in Table 13 an engine run-up must be performed after completing maintenance to determine that any discrepancies or abnormalities have been corrected. Test run to be carried out as detailed in Section 9.1

WARNING

Engine runs on the ground must be short to avoid over-heating engine. Monitor engine temperatures carefully during ground test runs.

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