

Rotax Aircraft Engines Scheduled Maintenance Plan

#	checks and work	Hours ⇨	every															
			2h	10h	12.5 h	25h	50h	75h	100h	125h	150h	175h	200h	225h	250h	275h	300h	
1	retorque cylinder headnuts 447-503	(1)	x															
2	retorque exhaust manifold screws	(1)	x															
3	check rewind starter rope			x														
4	check electric starter gear						x		x		x		x		x			
5	inspect spark plugs			x														
6	replace spark plugs				x	x	x	x	x	x	x	x	x	x	x	x	x	
7	check & clean inside spark plug caps			x														
8	check ignition timing (only breaker ignition)			x(2)				x						x				
9	check contact breaker gap			x(2)				x						x				
10	check ignition damping box							x						x				
11	replace contact breakers and condensor									x								
12	check v-belt tension			x			x	x	x	x	x	x	x	x	x	x	x	
13	grease ball joints				x	x	x	x	x	x	x	x	x	x	x	x	x	
14	replace exhaust muffler springs							x						x				
15	oil control cables				x	x	x	x	x	x	x	x	x	x	x	x	x	
16	check propeller balance and tracking	(3)					x	x	x	x	x	x	x	x	x	x	x	
17	inspect propeller mounting bolts	(4)																
18	clean & oil air filter						x	x	x	x	x	x	x	x	x	x	x	
19	check fuel filter						x	x	x		x	x		x	x	x		
20	replace fuel filter								x					x				
21	check carbs and re-adjust idle speed & cable tension		x				x		x		x			x			x	
22	clean carbs and check for wear							x		x		x		x			x	
23	replace jet needle and needle jet										x							
24	clean & check fuel pump							x			x				x			
25	replace rotary valve lubrication oil								x					x				
26	inspect cylinder head & piston crown	(5)						x		x		x		x			x	
27	inspect piston ring grooves	(6)						x		x		x		x			x	
28	check piston diameter	(8)						x(7)		x(7)		x		x(7)			x(7)	
29	piston ring: check gap	(8)						x(7)		x(7)		x		x(7)			x(7)	
30	piston ring: check axial play (rectang. Ring)	(8)						x(7)		x(7)		x		x(7)			x(7)	
31	check cylinder diameter	(8)						x(7)		x(7)		x		x(7)			x(7)	
32	cylinder: check for roundness							x(7)		x(7)		x		x(7)			x(7)	
33	replace cylinder head,base & exhaust gaskets	(9)						x		x		x		x			x	
34	inspect piston pin and bearing											x						
35	inspect crankshaft and replace outer seals											x						
36	general overhaul of engine	(10)																x

1) and after every replacement of gasket(s)

3) also after any damage

5) If carbon layer is more than 0.5mmthick, decarbonize

7) If used in very dusty atmosphere

9) If cylinders get dismantled

2) and after every replacement of contact breakers

4) according to instructions of manufacturer

6) If piston rings stick, clean and replace if necessary

8) wear limit: See Service Information 5 UL/91

10) contact authorized ROTAX dist. or service center

Recommendations Subject to Change Without Notice