

10.2) Maintenance Schedule

The following maintenance is planned and necessary for ROTAX 447 UL SCDI, 503 UL DCDI, 582 UL DCDI and 582 UL DCDI mod. 99:

	Checks and work	2 h	10 h	12,5 h	25 h	50 h	75 h	100 h	125 h	150 h	175 h	200 h	225 h	250 h	275 h	300 h	chapter	signature
1	Ground run				X												11.1	
2	Level check of liquids	X															11.2	
3	Retorque cylinder head nuts 1)	X															11.3	
4	Retorque exhaust manifold screws 1)	X	X														11.4	
5	Check rew ind starter rope 10)			X													11.5	
6	Check electric starter gear				X		X		X		X		X				11.6	
7	Inspect spark plugs 10)			X													11.7	
8	Replace spark plugs				X	X	X	X	X	X	X	X	X	X	X	X	11.8	
9	Check ignition system				X												11.9	
10	Check and clean inside spark plug caps 10)			X													11.10	
11	Checking of V- belt tension		X		X	X	X	X	X	X	X	X	X	X	X	X	11.11	
12	Lubricate ball joints				X	X	X	X	X	X	X	X	X	X	X	X	11.12	
13	Replace exhaust muffler springs						X			X			X				11.13	
14	Lubricate control cables 3)				X	X	X	X	X	X	X	X	X	X	X	X	11.14	
15	Check propeller balance and tracking 2,3)				X	X	X	X	X	X	X	X	X	X	X	X	11.15	
16	Inspect propeller mounting bolts 3)																11.16	
17	Clean and oil air filter				X	X	X	X	X	X	X	X	X	X	X	X	11.17	
18	Check fuel filter				X	X	X		X	X	X		X	X	X		11.18	
19	Replace fuel filter							X									11.18	
20	Check carburetor(s) and re-adjust (idle speed, cable tension, ...)	X			X		X		X		X		X		X		11.19	
21	Clean carburetor(s) and check for wear					X		X		X		X		X			11.19	
22	Replace jet needle and needle jet									X							11.20	
23	Check fuel pump (measure fuel pressure)						X		X				X				11.21	
24	Check gearbox oil level				X	X	X		X	X	X		X	X	X		11.22	
25	Replace gearbox oil		X					X				X					11.22	
26	Check and adjust gearbox, preload of springs (type B gearbox)							X				X					11.23	
27	Replace rotary valve lubrication oil							X									11.24	
28	Inspect cylinder head and piston crown 4)					X		X		X		X		X			11.25	
29	Inspect piston rings for free movement 5)					X		X		X		X		X			11.26	
30	Check piston diameter 7)					X 6)		X 6)		X		X 6)		X			11.27	
31	Piston ring: check gap 7,11)					X 6)		X 6)		X		X 6)		X			11.28	
32	Piston ring: check axial clearance (rectang. Ring) 8,12)					X 6)		X 6)		X		X 6)		X			11.28	
33	Check cylinder diameter 7,11)					X 6)		X 6)		X		X 6)		X			11.29	
34	Cylinder: check for roundness 7,11)					X 6)		X 6)		X		X 6)		X			11.29	
35	Replace cylinder head-, cylinder base- and exhaust-gasket 8)					X 6)		X 6)		X		X 6)		X			11.30	
36	Inspect piston pin and bearing									X							11.31	
37	Inspect crankshaft and replace outer seals if necessary									X							11.32	
38	General overhaul of engine 9)															X	11.33	
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|---|---|
| 1) and after every replacement of gasket(s) | 8) If cylinder has been dismantled |
| 2) also after any damage | 9) To be carried out every five years or every 300 hours whichever comes first. contact authorized distributor or service center. |
| 3) according to instructions of manufacturer | 10) To be examined after every 12,5 hours of operation. |
| 4) if carbon layer is more than 0,5 mm thick, decarbonize | 11) Necessary only if piston rings are not freely moving |
| 5) if piston ring sticks clean and replace if necessary | |
| 6) if used in very dusty atmosphere | |
| 7) wear limit see Service Information 5 UL 91 | |