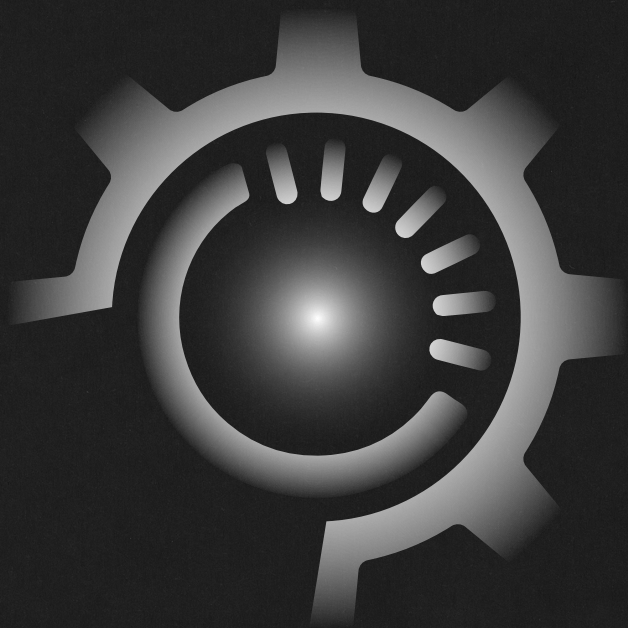




**TOP FOUR STROKE ENGINES**

**BASIC ENGINE  
MAINTENANCE SCHEDULE**



***The maintenance plan is carried out by the engine user according to the time intervals prescribed by the engine manufacturer ROTO engines Ltd.***

***Individual engine maintenance according to the schedule guarantees a long engine life and maximum engine performance and reliability.***

***The technology on how to perform the maintenance tasks correctly is described in the user manual, the engine and accessories you have purchased, including the tools used.***

**Scope of operations performed at ROTO engines Ltd. prior to shipment :**

1. Manufacture of engines to ROTO engines Ltd. standards.
2. Run-up test of the engine, including loading of the test propeller
3. ATP of the engine using the ROTO Diagnostic Instrument for four stroke engines
4. Engine output check
5. Visual engine leak check
6. Output adjustment of engine valve clearances
7. CDI timing adjustment check
8. Check record

## ***Engine maintenance schedule***

<b>Engine hours</b>	<b>①</b>	<b>②</b>	<b>③</b>	<b>④</b>
<b>02:00</b>	<b>X</b>			
<b>25:00</b>		<b>X</b>		
<b>50:00</b>			<b>X</b>	<b>X</b>
<b>75:00</b>		<b>X</b>		
<b>100:00</b>			<b>X</b>	
<b>125:00</b>		<b>X</b>		
<b>150:00</b>			<b>X</b>	<b>X</b>
<b>175:00</b>		<b>X</b>		
<b>200:00</b>			<b>X</b>	

- 1. Tightening the propeller**
- 2. Valve lash adjustment**
- 3. Spark plug replacement**
- 4. Checking carbon deposits**

### **Tightening the propeller**

*Depending on the propeller material, it is necessary to check the mounting on the engine propeller hub to prevent the propeller from loosening while the engine is running.*

### **Valve lash adjustment**

*For long engine life and reliability, it is essential to check the correct valve lash of the engine according to the maintenance schedule.*

### **Spark plug replacement**

*Replacing the spark plugs of the engine as per the prescribed engine maintenance schedule, we achieve proper combustion of various grades of petrol ( worldwide ) and hence long life and reliability of the engine.*

### **Checking carbon deposits**

*According to the schedule, it is necessary to check carbon deposits in the combustion chamber of the engine, especially when using inferior fuels or when the temperature balance of the engine is unstable due to operation at high altitudes.*

# Engine service

Date \_\_\_\_\_

Engine hours \_\_\_\_\_

## Performed maintenance

	Yes	No
<i>Tightening the propeller</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Valve lash adjustment</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Spark plug replacement</i>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Checking carbon deposits</i>	<input type="checkbox"/>	<input type="checkbox"/>

## Notice

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*Sign & stamp*

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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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	Yes	No
<i>Tightening the propeller</i>	<input type="checkbox"/>	<input type="checkbox"/>
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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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	Yes	No
Tightening the propeller	<input type="checkbox"/>	<input type="checkbox"/>
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Engine hours \_\_\_\_\_

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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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Engine hours \_\_\_\_\_

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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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Valve lash adjustment	<input type="checkbox"/>	<input type="checkbox"/>
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Date \_\_\_\_\_

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Date \_\_\_\_\_

Engine hours \_\_\_\_\_

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<i>Checking carbon deposits</i>	<input type="checkbox"/>	<input type="checkbox"/>

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*Sign & stamp*

# DEVELOPED IN THE CZECH REPUBLIC



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