User manual

Crawler excavator

2503 **3003**

3503 **3703**



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neuson®

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3 Specifications

Technical Data Compact Excavator 2503

Principal Data 2503

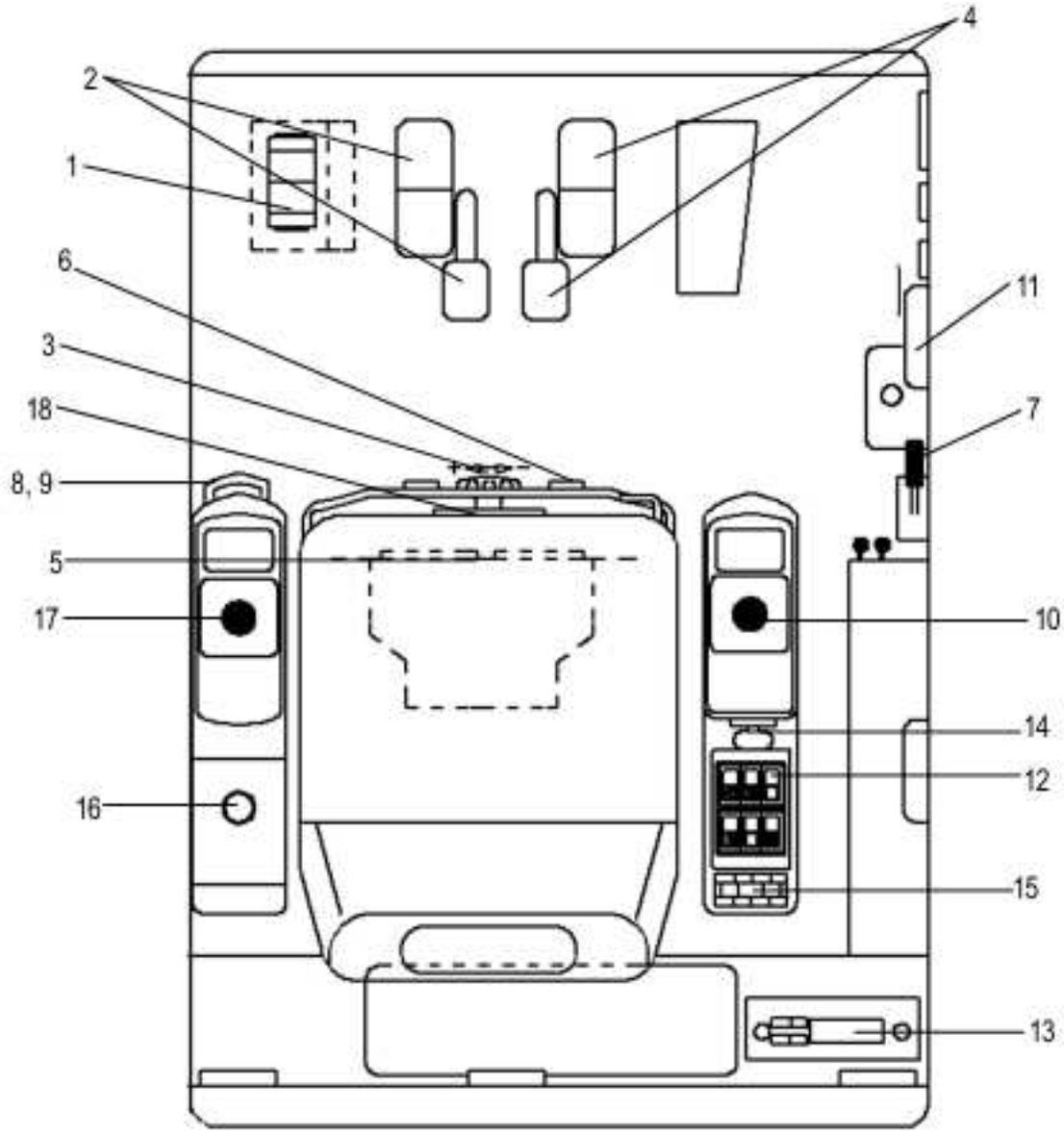
Principal Data 2503	
Unladen weight with cab	2600 kg
Unladen weight with canopy	2500 kg
Height to top of cab	2370 mm
Width	1370 mm
Lenght	3050 mm
max. digging depth	2605 mm
max. digging height	4125 mm
max. dumping height	2925 mm
max. digging radius	4515 mm
Force per bucket tooth	1970 kp
min. rear swiveling clearance	1240 mm
min. excavator arm clearance	1360 mm
Excavator arm angle left	80°
Excavator arm angle right	45°

Driving and swiveling specifications 2503

Driving and swiveling specifications 2503	
2 speeds	2,2 & 4,3 km/h
Climbing ability	30° (58%)
Track width	250 mm
Number of track rollers per side	3 per side
Track tensioner	Grease cylinder with tension spring
Ground clearance	270 mm
Ground pressure	0,33 kg/cm²
Swiveling speed of revolving superstructure	9 revolutions per min

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4.1 Cab equipment and controls



Cab equipment and controls			
1	Hammer pedal with cover	11	Ashtray
2	Left drive lever and overdrive switch foot pedal	12	Instrument panel
		13	Radio
3	Seat spring tension adjustment	14	Ignition lock
4	Left drive lever with foot pedal	15	Fuse box
5	Seat back adjustment	16	Heating
6	Heating and air vents	17	Control lever left
7	accelerator	18	Seat adjustment
8	Cabel to open side bonnet		
9	Cabel to open engine bonnet		
10	Control lever right		

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20 Maintenance every 250 operating hours

NOTE: In addition to normal weekly maintenance and maintenance every 50 operating hours, the following maintenance should be carried out every 250 operating hours, see maintenance schedule 16.2.

20.1 Engine

See engine operating instructions for maintenance schedule.

Air Filter Elements

See operating instructions for the engine.
Check the air filter elements and clean and/or replace them, if required.

Engine Speed Control

Check the engine speed control and adjust it, if necessary.

Exhaust System

Check the exhaust system for tightness as well as possible damage. Pay attention to fixing screws. Retighten them, if necessary.

20.2 Hydraulics

ATTENTION: Always release residual pressure before working on the hydraulic system!

Check hydraulic oil and filter

If it is necessary to replace the hydraulic filter, dispose of the used filter in accordance with environmental laws.

20.3 Electrical components

Check the cable harness and the battery. If necessary tighten and secure to avoid twisting.

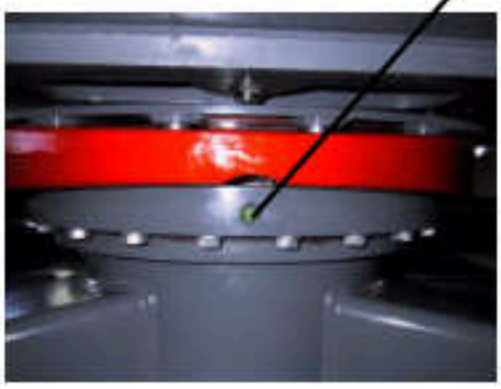
20.4 Attachments

Check for play and replace damaged or defective parts!

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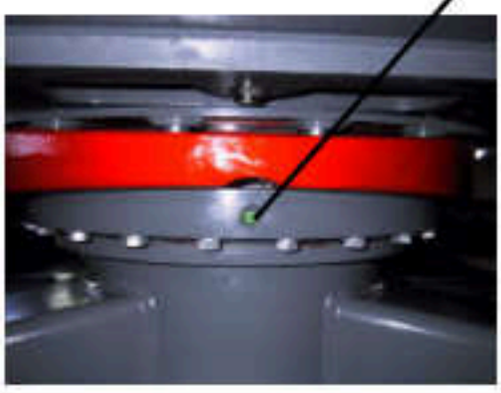
Lubrication Points at Neuson Vario 3503

At the lower live ring there is 1 lubrication point.



Lubrication Points at Neuson Vario 3003

At the lower live ring there is 1 lubrication point.



There is another lubirction point at the top side of the eccentric disk.



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