Operator's Manual

Mobile excavator

6503



Machine model	6503WD
Edition	3.0
Language	EN
Item no.	1000158219

WACKER NEUSON

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Right-hand side control lever (Powertilt)

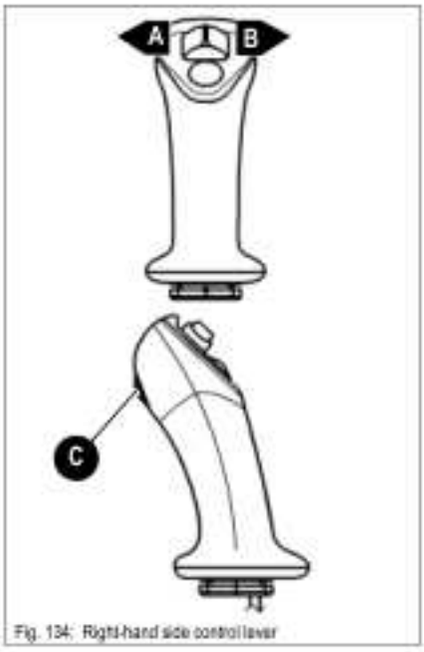


Fig. 134: Right-hand side control lever

The Powertilt functions are operated with the right-hand side control lever.

Position	Lever	Function
• A	☞ *To the left*	➥ Powertilt turns to the left
• B	☞ *To the right*	➥ Powertilt turns to the right
• C		Changeover between: • Powertilt and • 3rd control circuit

Enabling the 3rd control circuit

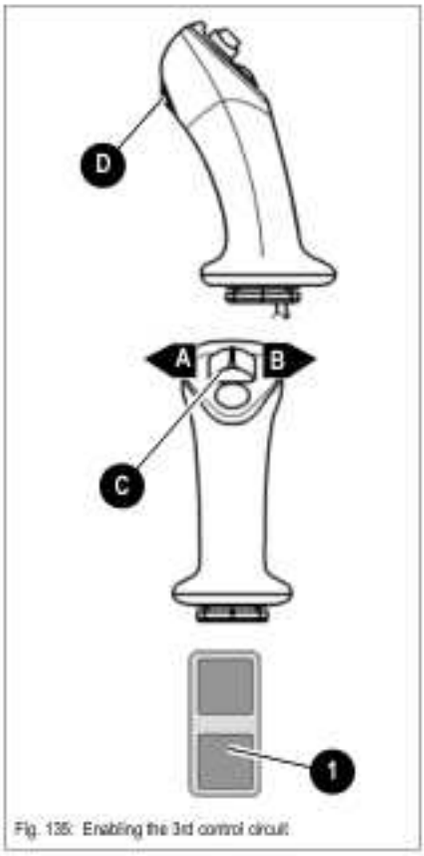


Fig. 135: Enabling the 3rd control circuit

☞ *Press button **D** on the control lever.*

☞ *The unit installed on the 3rd control circuit can be moved or turned to the left **A** or right **B** with slide switch **C**.*

☞ *Telltale **1** of the proportional control status indicator comes on.*

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5.15 Maintenance plan (overview)

Work description

For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.

	Maintenance plan/service hours (s/h)							
	Maintenance work (once a day)	Every 50 s/h	Every 250 s/h	Every 500 s/h	Every 1000 s/h once a year	Every 1500 s/h	Customer	Authorised workshop
Fluid and filter changes ( ):								
Carry out the following oil and filter changes (check oil levels after test run):								
• Engine oil[1]		●		●				●
• Engine oil filter[2]		●		●				●
• Fuel filter[3]		●		●				●
• Air filter element as indicated by telltale							●	
• Coolant					●			●
• Hydraulic oil filter insert[4]		●		●				●
• Hydraulic oil					●			●
• Hydraulic oil tank breather					●			●
• Gearbox oil[5]		●			●			●
Inspection work ( ):								
Check the following material. Refill if necessary:								
• Engine oil	●						●	
• Engine coolant	●						●	
• Hydraulic oil	●						●	
• Gearbox oil		●						●
Clean water ducts[6]					●			●
Check engine/hydraulic oil radiator and air conditioning for dirt. Clean if necessary	●						●	
Check cooling systems, heating and hoses for leaks and pressure (visual check)	●						●	
Replace cab filter for heating and air conditioning				●				●
Check the pilot control filter for dirt, clean it if necessary					●			●
Air filter (damage)	●						●	
Prefilter with water separator: drain water	●						●	
• Clean				●				●
Check V-belt condition and tension	●						●	

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6.13 Dimensions model 6503 WD

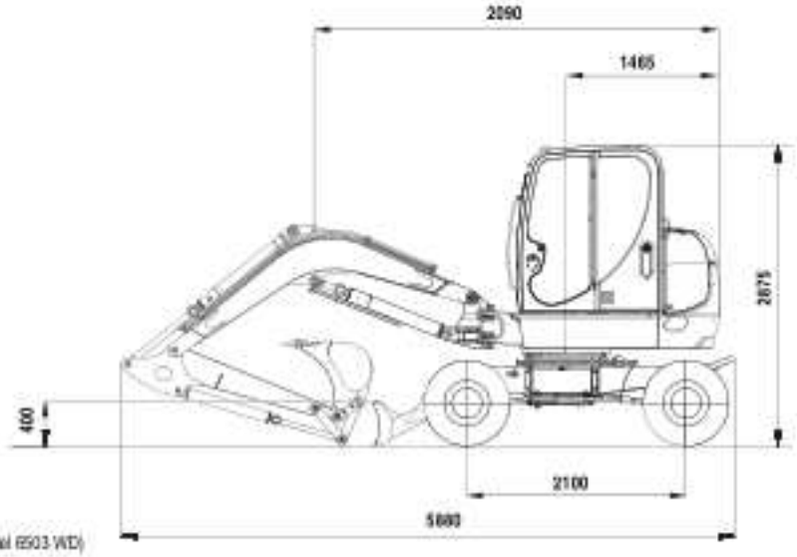
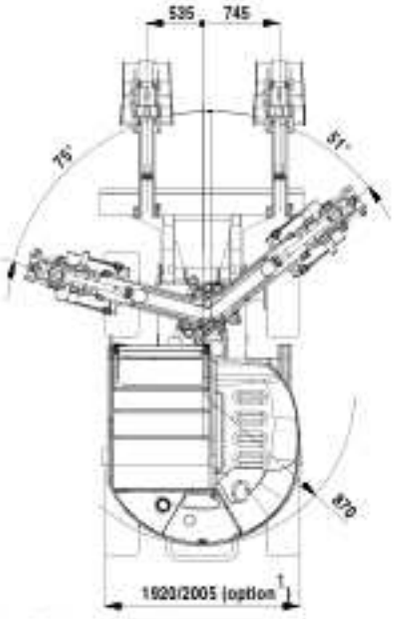


Fig. 184: Machine dimensions (model 6503 WD)



1. Twin tyres option

Main data	Model 6503 WD
Service weight	5570 kg
Height	2675 mm
Width/with twin tyres (option [1])	1920/2005 mm
Transport length	5680 mm
Max. digging depth	3540 mm
Stick length (standard)	1450 mm
Long stick length (option)	1750 mm
Max. digging depth for long stick (option)	3840 mm
Max. vertical digging depth	2540 mm
Max. vertical digging depth for long stick (option)	2820 mm
Max. digging height	5975 mm
Max. digging height for long stick (option)	6165 mm
Max. dump height	4305 mm
Max. dump height for long stick (option)	4495 mm
Max. digging radius	6240 mm
Max. digging radius for long stick (option)	6525 mm
Max. reach at ground level	6045 mm
Max. reach on ground for long stick (option)	6345 mm
Max. breakout force at bucket tooth	38.9 kN
Max. tearout force (standard stick)	25.8 kN
Max. tearout force for long stick (option)	23.1 kN
Min. tail end slewing radius	1465 mm
Max. upper carriage tail end lateral projection, 90° rotation, standard/ twin tyres	505/460 mm
Max. boom displacement to bucket centre (right-hand side)	745 mm
Max. boom displacement to bucket centre (left-hand side)	535 mm
Max. lift height of stabiliser blade over ground	490 mm
Max. scraping depth of stabiliser blade below ground surface	285 mm
Axle base	2100 mm
Max. tilting angle of boom to the right	51°
Max. tilting angle of boom to the left	75°

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