User manual

Compact excavators

5002 / 6002 RD



Edition: March 2003
Item No.: 9707654
Language: English

neuson®

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual | Publication 100008136 1

Order the manual at mid-west-tech.com >

Introduction 8

1.2 Instructions for ordering spare parts 9

1.1 Identification Plate 9

1 Guarantee and warranty 9

2 Safety 10

2.1 Safety rules 11

2.2 EC - Declaration of Conformity 17

3 Specifications 18

3.1 Technical Data Crawler Excavator 5002 RD 18

Principal Data 18

Driving and swiveling specifications 18

Engine 19

Hydraulic system 19

Dozerblade 19

Bucket (Standard) 19

3.2 Noise emissions Crawler Excavator 5002 RD 20

3.3 Vibration levels 20

3.4 Technical Data Crawler Excavator 6002 RD 20

Principal Data 20

Driving and swiveling specifications 21

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >

Engine 21

Hydraulic system 21

Dozer blade 22

Bucket (Standard) 22

3.5 Noise emissions Crawler Excavator 6002 RD 22

3.6 Vibration levels 22

3.7 Stickers 23

3.8 Primary Dimensions Crawler Excavator 5002 RD 24

3.9 Primary Dimensions Crawler Excavator 6002 RD 25

4 Component Designations 26

4.1 Excavator components 27

4.2 Cab equipment and controls 28

Work lights 29

Accelerator 29

Driver's Seat 29

Heater, Heating and Air Vents 30

Windshield Wipers 30

4.3 Hydraulic system 30

Emergency operation of attachments 30

Release of residual pressure 30

Check hydraulic oil level 31

5 Safety Equipment 32

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >

5.1 Parking brake and locking mechanism 32

5.2 Seat 32

Round display element 33

Lamps 33

6 Functions at Dashboard 33

6.1 Fuse box 35

Order of fuses 35

7 Swinging and swiveling the excavator equipment 35

7.1 Left control lever 36

7.2 Right control lever 36

7.3 Excavator arm movements 37

7.4 Dozer blade 37

7.5 Changing attachments 38

8 Towing equipment 39

9 Lifting the Crawler excavator 39

10 Excavating options 40

10.1 Digging 40

10.2 Excavator arm swing angle 40

10.3 Bulldozing 40

10.4 Lifting 40

10.5 Cab protection 41

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >

3 Specifications

3.1 Technical Data Crawler Excavator 5002 RD

Principal Data

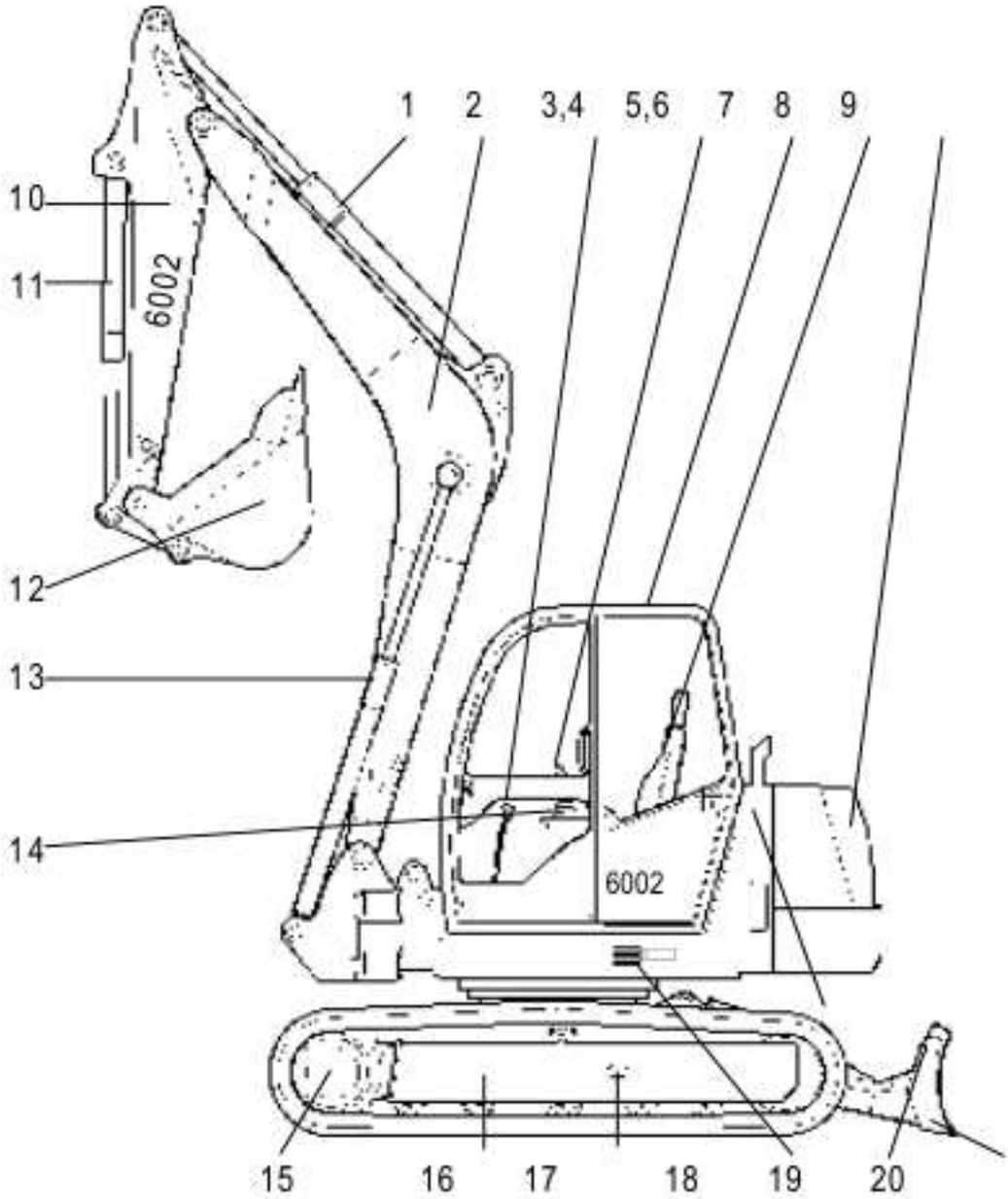
Principal Data		
	Standard	Long bucket stick
Unladen weight with cab	4960 kg	
Height to top of cab	2435 mm	
Width	1850 mm	
Length	3665 mm	
max. digging depth	3710 mm	4010 mm
max. digging height	5480 mm	5680 mm
max. dumping height	4000 mm	4200 mm
max. digging radius	6010 mm	6290 mm
Force per bucket tooth	3316 kp	
min. rear swiveling clearance	1470 mm	
min. excavator arm clearance	1880 mm	
Excavator arm angle left	80°	
Excavator arm angle right	45°	

Driving and swiveling specifications

Driving and swiveling specifications	
2 speeds	2,5 & 4,5 km/h
Climbing ability	30° (58%)
Track width	400 mm
Number of track rollers per side	5 Stk./Seite
Track tensioner	Fettspannzylinder mit Druckfeder
Ground clearance	335 mm
Ground pressure (of excavator when level)	0,27 kg/cm²
Swiveling speed of revolving superstructure	9 U/min

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >

4 Component Designations



1 Bucket stick cylinder
2 Boom
3 Left drive lever
4 Right drive lever
5 Left control lever
6 Right control lever
7 Cab
8 Driver's seat
9 Engine cover
10 Bucket stick
11 Bucket cylinder
12 Backhoe bucket
13 Boom cylinder
14 Steering control console
15 Traveling drive
16 Undercarriage
17 Protective cover for track tensioner
18 Chassis
19 Lifting eyes
20 Dozer blade
21 Accelerator

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >

21 Maintenance every 1,000 operating hours

NOTE: In addition to normal weekly maintenance and maintenance every 50, 250, and 500 operating hours, the following maintenance should be carried out every 1,000 operating hours, see maintenance schedule 16.2.

21.1 Engine

See engine operating instructions for maintenance instructions.

Check alternator and starter

Clean fuel tank

Replace fuel filter

Dispose of filter in accordance with environmental laws.

Check water pump

Change air filter

Change oil and oil filter

Dispose of used oil in accordance with environmental laws.

21.2 Hydraulics

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

Check hydraulic oil and filter

Check ventilation filter and sieve

Check ventilation filter and replace if necessary
Check sieve for damage and replace if necessary

21.3 Traveling and swiveling drives

Traveling drive - Change oil

MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >

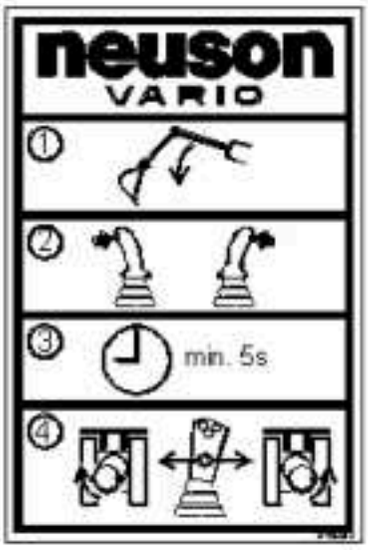
Neuson Vario Labels



Operation of Neuson Vario

- Make sure to read and observe the operating instructions.
- Support dipper stick on the ground.

In case of non-compliance persons and/or the machine driver may be endangered, the machine may tilt or other danger may occur.



Shifting of Neuson Vario

1. Dipper stick must be supported on the ground.
2. The indicated buttons at the two joysticks must be pressed.
3. Wait for at least 5 sec with buttons pressed.
4. Now the Neuson Vario can be shifted by means of the left joystick.

WARNING: The sense of rotation of Neuson Vario is opposite to the normal sense of rotation.

Lubrication Points at Neuson Vario

There is another lubrication nipple on the top side of the eccentric disk



MidWestTech | Wacker Neuson 5002, 6002 RD Compact Excavator Operator's Manual... Order the manual at mid-west-tech.com >