VEAM500100

Operation & Maintenance Manual

WA500-3H

WHEEL LOADER

SERIAL NUMBERS WA500H20051 AND UP

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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1.5. Table of contents

1. Introduction 1-1

1.1. Foreword 1-2
EU Directives 1-2

1.2. Safety information 1-4

1.3. Introduction 1-6
1.3.1. Intended use 1-6
1.3.2. Features 1-6
1.3.3. Breaking-in the machine 1-7

1.4. Location of plates, table to enter serial no. and distributor 1-8
1.4.1. Machine identification plate 1-8
1.4.2. Engine identification plate 1-9
1.4.3. Table to enter serial no. and distributor 1-9

1.5. Table of contents 1-10

1.6. Dimensions, weights and operating data 1-17
1.6.1. WA500-3H: Dimensions, weights and operating data 1-17

1.7. CE-conforming equipment 1-18
1.7.1. CE-conforming equipment - part 1 1-18
1.7.2. CE-conforming equipment - part 2 1-19
1.7.3. Manufacturer-supplied CE-conforming equipment, according to document 419-93-H1160 1-21

1.8. Loading and securing 1-24

2. Safety 2-1

2.1. General safety measures 2-2
2.1.1. Safety instructions 2-2
2.1.2. Safety devices 2-2
2.1.3. Emergency exit 2-2
2.1.4. Clothing and personal protection 2-3
2.1.5. Machine modifications 2-3
2.1.6. Before you leave the driver's seat 2-3
2.1.7. Mounting and dismounting 2-4
2.1.8. Fire prevention and fire fighting 2-5
2.1.9. Protection against asbestos dust 2-7
2.1.10. Protection against injuries 2-7
2.1.11. Working at high temperatures 2-8
2.1.12. Roll-over protection system (ROPS) 2-8
2.1.13. Attachment for protection against falling objects (FOPS) 2-9

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2.1.14. Attachments 2-9
2.1.15. Battery 2-10

2.2. Safety precautions during operation 2-11
2.2.1. Before you start the engine 2-11
Workplace safety 2-11
In the driver's cab 2-11
In-door operation 2-12
Gas, dust, and inflammable vapours 2-12
Mirrors, windows and lighting 2-12
2.2.2. Machine operation 2-13
Before you start the engine 2-13
Reversing 2-13
Driving 2-14
Driving on slopes 2-14
Emergency lowering system 2-15
Working close to power lines 2-16
Loading 2-17
Good vision 2-17
Working on snow 2-17
Height limitation 2-17
Brakes 2-18
Working on loose soil 2-18
Parking the machine 2-18
2.2.3. Transport 2-19
Loading and unloading the machine 2-19
Transport 2-20

2.3. Precautions for maintenance 2-21
2.3.1. Personnel 2-21
2.3.2. Before carrying out maintenance 2-21
2.3.3. During maintenance 2-24
2.3.4. Tyres 2-29

2.4. Safety labels 2-31
Position of safety labels 2-31

3. Operation 3-1

3.1. General view 3-2
3.1.1. General view of the machine 3-2
3.1.2. Control elements and measuring instruments 3-3

3.2. Description of the individual elements 3-5
3.2.1. Control monitor 3-5
Warning indicators 3-7
Measuring instruments and control elements 3-11
3.2.2. Switches 3-17

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3.2.3. Control levers and pedals 3-27
3.2.4. Steering column tilt lever 3-33
3.2.5. Cap with lock 3-33
3.2.6. Safety bar 3-34
3.2.7. Towing pin 3-34
3.2.8. Backup alarm 3-35
3.2.9. Fuses 3-36
Fuse capacity and circuit designations 3-36
3.2.10. Slow-blow fuses 3-37
3.2.11. Air conditioning 3-38
Layout and functions of the control panel 3-38
Operating instructions 3-40

3.3. Operation 3-41
3.3.1. Pre-start checks 3-41
Walk-around check 3-41
Check before starting 3-45
Adjustment before starting the operation 3-50
Operations and checks before starting the engine 3-52
3.3.2. Starting the engine 3-53
3.3.3. Operation and checks after starting the engine 3-54
3.3.4. Driving the machine 3-56
3.3.5. Gear change 3-58
Gear selection 3-58
Automatic gear change 3-58
Kickdown gear change 3-59
Gear-change lock 3-60
Priority gear change 3-60
3.3.6. Changing direction 3-61
3.3.7. Turning and steering 3-61
3.3.8. Stopping the machine 3-62
3.3.9. Operating the work equipment 3-63
3.3.10. Wheel loader operations 3-65
Digging 3-65
Levelling 3-68
Pushing 3-68
Load-and-carry operations 3-68
Loading 3-69
3.3.11. Precautionary measures during operation 3-70
Permissible water depth 3-70
If wheel brake fails to work 3-70
Precautionary measures when driving up or down 3-71
3.3.12. Adjusting the position of the work equipment 3-72
Adjusting the boom kickout 3-72
Adjusting the bucket positioner 3-73
Bucket level indicator (if fitted) 3-73
3.3.13. Parking the machine 3-74
3.3.14. Stopping the engine 3-76

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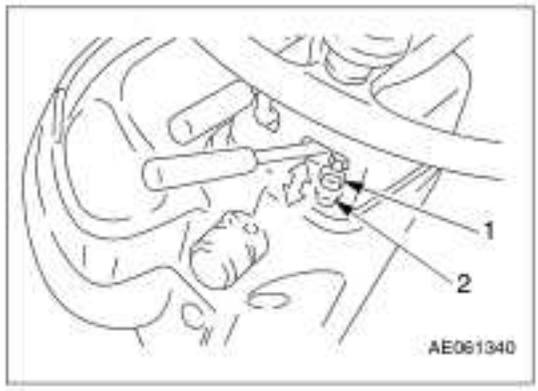
Manufacturer-supplied CE-conforming equipment, according to document 419-93-H1160

A1 Distance: bucket pivoting point - front axle, horizontal
A2 Distance: bucket pivoting point - front axle, vertical
Sh Distance: road level - front axle
B1 Distance: driver's eye (1) - front axle, horizontal
B2 Distance: driver's eye (1) - front axle, vertical
C1 Distance: centre steering wheel - centre front axle, horizontal
C2 Distance: center steering wheel - centre front axle, horizontal
D1 Distance: headlight - centre front axle, horizontal
D2 Distance: headlight - centre front axle, vertical
G Weight of equipment and working load
H1 Distance: bucket pivoting point - bucket upper edge, vertical (carrying position)
H2 Distance: bucket pivoting point - vision line, vertical (carrying position)
J Distance: road level - bucket bottom edge (carrying position)
b1 Bucket connection dimension, boom width inside
b2 Bucket connection dimension, boom arm
b3 Bucket connection dimension, tilt rod
b4 Bucket connection dimension, temporary size
c Bucket connection dimension between d1 and d2, vertical
d1 Bucket connection dimension, bolt (3) for boom
d2 Bucket connection dimension, bolt (3) for tilt rod
e Bucket connection dimension d1 - d2, horizontally displaced
h Distance: bucket bottom edge - boom bolt hole
l Distance: centre of bolt -- centre of fastening screw

WA500-3H	419-93-H1160
A1	2,290
A2	1,416
Sh	876 / 813*
B1	2,244
B2	2,410
C1	1,742
C2	2,007
D1	550
D2	1,443
G	10,900
H1	1,795
H2	1,670
J	270
b1	1,020 ± 1.5
b2	180 ± 1.5
b3	145 ± 1.5
b4	437.5 ± 1.5
c	437 ± 1.5
d1	110 + 0.1
d2	110 + 0.1
e	0
h	320
l	120
1	Driver´s eye
2	Vision line
3	Bolt
Tyres	MICHELIN 29.5R25 XHA / 26.5R25 XHA*
Bucket	5 m³ - 425-70-H2260 3750C31

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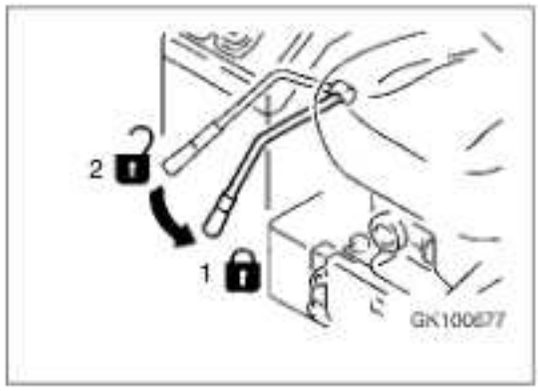
3. Gear lever stop



The stop prevents the gear lever being shifted into 3rd or 4th gear.

Position 1 Stop activated
Position 2 Stop deactivated

4. Safety lock lever for the work hydraulic system



WARNING

- **When leaving the operator's compartment, make sure to set the safety lock lever to the LOCK '1' position. If the control levers are not locked and are touched by mistake, this may lead to a serious accident.**
- **If the safety lock lever is not positively set to the LOCK '1' position, the control levers may not be properly locked. Make sure that the lever is set down to position '1'.**
- **When parking the machine or performing maintenance works, always lower the bucket to the ground and apply the lock.**

This is used to lock the work equipment levers.

Position 1 Work hydraulic system locked
Position 2 Work hydraulic system unlocked

Push the lever down to apply the lock.

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5.8.8. Every 1000 service hours

Maintenance for every 50, 100, 250 and 500 hours should be carried out simultaneously.

Changing the oil in the transmission case, cleaning the strainer

⚠ WARNING

Immediately after the machine operation, the oil is hot. Therefore, wait for the oil to cool down before carrying out maintenance.

- Collecting container: min. 70 l capacity
- Refill capacity: see Section "5.4. Lubricants and operating means" on page 5-13.

1. Set the collecting container under drain plug (P), then remove drain plug (P) and drain the oil.

   To prevent the oil from pouring out suddenly, lossen and remove drain plug (P) gradually.

2. After draining the oil, re-install drain plug (P).

   Tightening torque: 99 - 117 Nm

3. Set a collection container under the transmission oil filter.

4. Remove transmission filter drain plug (1), drain the oil, then tighten the plug again.

   Tightening torque: 94 - 123 Nm

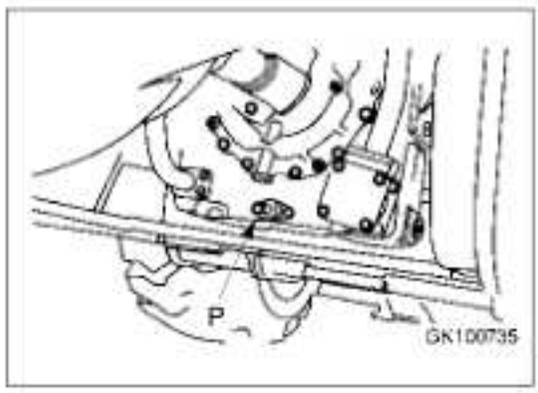
5. Remove the screws (2) and dismount the cover (3). Unscrew the strainer (5) from the cover (3).

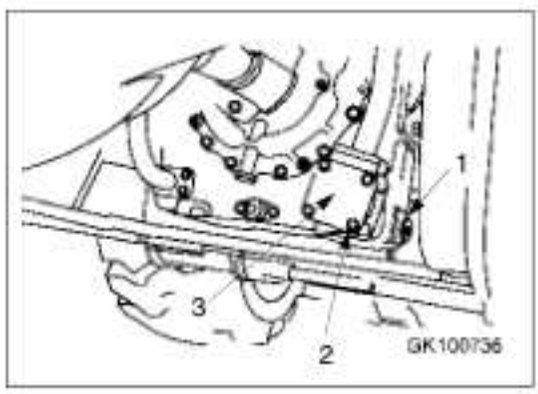
6. Remove any dirt stuck to strainer, then wash it in clean diesel oil or flushing oil. If the strainer is damaged, it must be replaced.

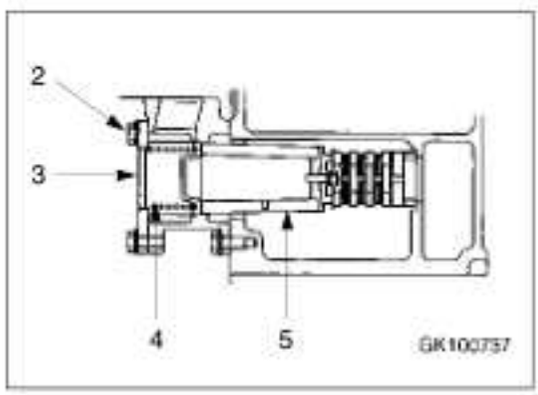
7. Screw the spring (4) and strainer (5) into the cover (3).

   Strainer tightening torque 95 - 120 Nm

   Replace the O ring on the cover, then re-install the cover.







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