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OPERATION & MAINTENANCE MANUAL

KOMATSU®

WA250-1LC

WHEEL LOADER

SERIAL NUMBERS
WA250-1LC A65001 and up

MAR 94

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CONTENTS

DESCRIPTION **PAGE**

FORWARD 0-1

INTRODUCTION 0-2
- SAFETY INFORMATION 0-2
- BREAKING IN THE NEW MACHINE 0-3
- MACHINE AND ENGINE SERIAL NUMBERS 0-4
- QUICK REFERENCE INFORMATION 0-5
- CONTENTS 0-6

SAFETY PRECAUTIONS -- SECTION 1

GENERAL PRECAUTIONS 1-2
- PERSONNEL PRECAUTIONS 1-2
- MACHINE PRECAUTIONS 1-2

OPERATION 1-3
- BEFORE STARTING 1-3
- START-UP 1-4
- GENERAL OPERATING PRECAUTIONS 1-4
- DRIVING THE MACHINE 1-5
- OPERATING THE ATTACHMENTS 1-6
- PULLING/TOWING 1-6
- SHUTDOWN 1-7

MAINTENANCE 1-7
- GENERAL MACHINE PRECAUTIONS 1-7
- GENERAL WORK PRECAUTIONS 1-8
- ATTACHMENTS 1-9
- BRAKES 1-9
- CAB/ROPS 1-9
- COOLING 1-9
- ELECTRICAL 1-10
- ENGINE 1-10
- FUEL SYSTEM 1-11
- HYDRAULICS 1-11
- TIRES AND RIMS 1-11
- TURBOCHARGER 1-11
- VITON SEALS 1-12

SAFETY PRODUCT GRAPHICS AND LOCATIONS 1-13
- BEFORE CARRYING OUT MAINTENANCE 1-25

OPERATION -- SECTION 2

GENERAL VIEW 2-2

INSTRUMENTS AND CONTROLS 2-3
- MONITOR PANEL 2-3
  - CHECK MONITOR LAMP GROUP 2-3
  - CAUTION MONITOR LAMP GROUP 2-3
  - METER GROUP 2-4
  - WARNING LAMP 2-4
  - SYSTEM CHECK 2-4
  - CHECK MONITOR LAMP GROUP 2-5
    - Brake Oil Level Monitor 2-5

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Engine Oil Level Monitor 2-6
Coolant Level Monitor 2-6
CAUTION MONITOR LAMP GROUP 2-7
Battery charge monitor 2-7
Fuel level monitor 2-8
Brake oil level monitor 2-9
Engine oil pressure monitor 2-9
Coolant level monitor 2-9
Brake servo pressure monitor 2-9
Coolant temperature monitor 2-10
Torque converter oil temperature monitor 2-10
Ground driven steering monitor - If equipped 2-10
METER GROUP 2-11
Parking brake pilot lamp 2-11
Pilot lamp for working lamp 2-12
Transmission cut-off selector pilot lamp 2-12
Ground driven steering pilot lamp 2-12
Engine cooling water temperature gauge 2-12
Torque converter oil temperature gauge 2-13
Fuel gauge 2-13
Turn signal pilot lamp 2-13
High beam pilot lamp 2-13
Speedometer 2-14
Service meter 2-14
SWITCHES 2-15
WORKING LAMP SWITCH 2-15
STARTING SWITCH 2-16
HAZARD LAMP SWITCH 2-16
HORN BUTTON 2-16
LAMP SWITCHES 2-17
Lamp switch 2-17
Turn signal lever 2-17
Dimmer switch 2-17
TRANSMISSION CUT-OFF SELECTOR SWITCH 2-18
ETHER START SWITCH 2-18
FRONT WIPER SWITCH 2-19
REAR WIPER SWITCH 2-19
WINDOW WASHER SWITCH 2-20
FRONT FLOOD LIGHT SWITCH 2-20
ACCESSARY SWITCH 2-20
ROOM LAMP SWITCH 2-20
CIGARETTE LIGHTER 2-21
LEVERS AND PEDALS 2-22
DIRECTIONAL LEVER 2-22
SPEED CONTROL LEVER 2-23
SPEED CONTROL LEVER STOPPER 2-23
STEERING COLUMN TILT LEVER 2-23
ACCELERATOR PEDAL 2-24
BRAKE PEDALS 2-24
Right brake pedal 2-24
Left brake pedal 2-24
LIFT ARM CONTROL LEVER 2-25
BUCKET CONTROL LEVER 2-25
WORK EQUIPMENT CONTROL LEVERS LOCK 2-26
PARKING BRAKE LEVER 2-26
WORK EQUIPMENT CONTROL LEVER 2-27
MON-LEVER TYPE 2-27
CAB DOOR HOLD OPEN LOCK - IF EQUIPPED 2-28
AIR CLEANER SERVICE INDICATOR 2-28
FRAME LOCKING BAR 2-28
ENGINE SIDE DOOR LOCK 2-29

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CONTENTS

MAIN CIRCUIT BREAKER 2-29
CIGARETTE LIGHTER 2-29
FUSE BOXES 2-30
OPERATOR'S SEAT 2-32
RIGID TYPE 2-32
FORWARD-BACKWARD ADJUSTMENT 2-32
SEAT HEIGHT ADJUSTMENT 2-32
BACKREST ADJUSTMENT 2-32
BUCKET TYPE SEAT (OPT) 2-32
FORWARD-BACKWARD ADJUSTMENT 2-32
SEAT ANGLE ADJUSTMENT 2-32
SEAT CUSHION ADJUSTMENT 2-32
BACKREST ADJUSTMENT 2-32
SEAT HEIGHT ADJUSTMENT 2-32
SEARS SEAT 2-33
FORWARD-BACKWARD ADJUSTMENT 2-33
SEAT ANGLE ADJUSTMENT 2-33
WEIGHT ADJUSTMENT 2-33
BACKREST TILT ADJUSTMENT 2-33
HEIGHT ADJUSTMENT 2-33
KAB SEAT 2-34
WEIGHT ADJUSTMENT 2-34
HEIGHT ADJUSTMENT 2-34
BACKREST ANGLE ADJUSTMENT 2-34
FORE AND AFT ADJUSTMENT 2-34
HEADREST ADJUSTMENT 2-34
RIGHT SIDE ARMREST 2-35
SEAT BELT 2-36

DRAWBAR PIN 2-37

CAB HEATER AND DEFROSTER 2-38
CONTROL PANEL 2-38
FAN SPEED SWITCH 2-38
FOOT / DEFROSTER SELECT LEVER 2-38
AIR INTAKE SELECTOR LEVER 2-38
CONTROL PANEL 2-39
FAN SPEED SWITCH 2-39
TEMPERATURE CONTROL LEVER 2-39
AIR INTAKE SELECTOR LEVER 2-39
METHOD OF OPERATION 2-40

CAB HEATER, DEFROSTER AND AIR CONDITIONER - IF EQUIPPED 2-41
CONTROL PANEL 2-41
FAN SPEED SWITCH 2-41
AIR CONDITIONER SWITCH 2-41
TEMPERATURE CONTROL LEVER 2-41
AIR INTAKE SELECTOR LEVER 2-41
METHOD OF OPERATION 2-42
PRECAUTIONS FOR USING AIR CONDITIONER 2-43
HANDLING AIR CONDITIONER IN SEASON 2-43
HANDLING AIR CONDITIONER IN OFF-SEASONS 2-43

LOCKING FILLER CAPS 2-44
FUEL TANK FILLER CAP 2-44
HYDRAULIC TANK FILLER CAP 2-45

CHECK BEFORE STARTING 2-46
WALK-AROUND CHECK 2-46
CHECK MONITOR PANEL 2-46
CHECK AND REFILL COOLANT 2-47

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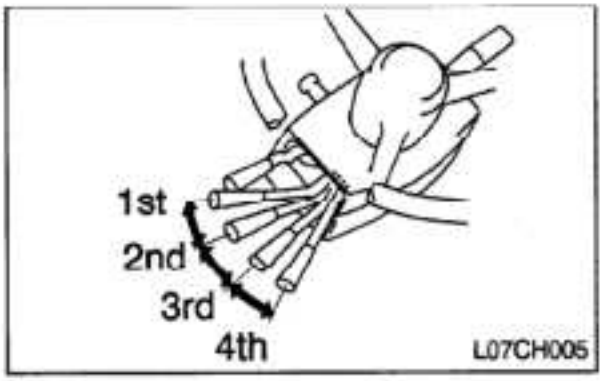
2. SPEED CONTROL LEVER

This lever controls the travel speed of the machine.

This machine has a 4-FORWARD, 4-REVERSE speed transmission. Place the speed control lever in a suitable position to obtain the desired speed range.

★ 1st and 2nd speeds are used for working. 3rd and 4th speeds are used for traveling.

★ It is possible to change the length of the lever. For details of changing the length, see "TRANSMISSION CONTROL LEVERS" in Section 3.

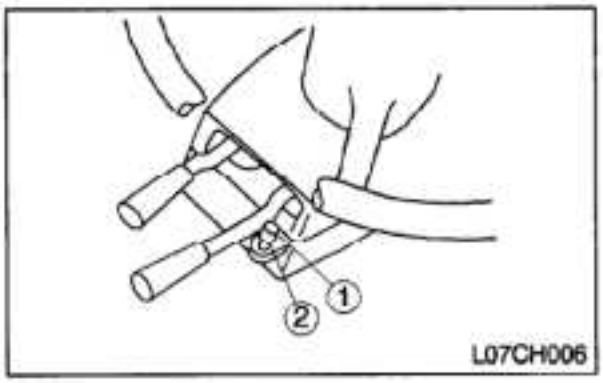


3. SPEED CONTROL LEVER STOPPER

This stopper prevents the speed control lever from entering the 3rd and 4th positions, when working.

Position 1
Stopper actuated.

Position 2
Stopper released.



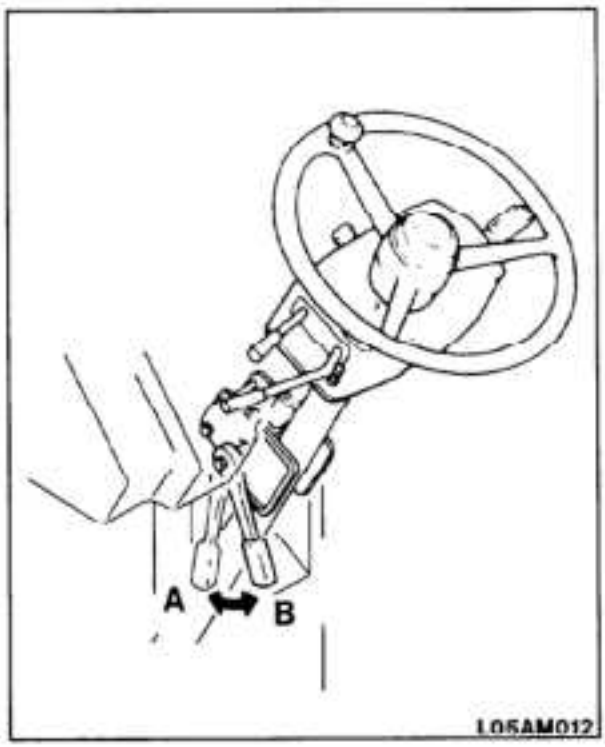
4. STEERING COLUMN TILT LEVER

This lever allows the steering column to be tilted forward or backward.

Pull the lever up (B) and move the steering wheel to the desired position. Then push the lever down to lock (A) the steering wheel in position.

★ Range of adjustment (stepless): 100 mm (3.9 in)

WARNING! Stop the machine before adjusting the angle of the steering wheel.



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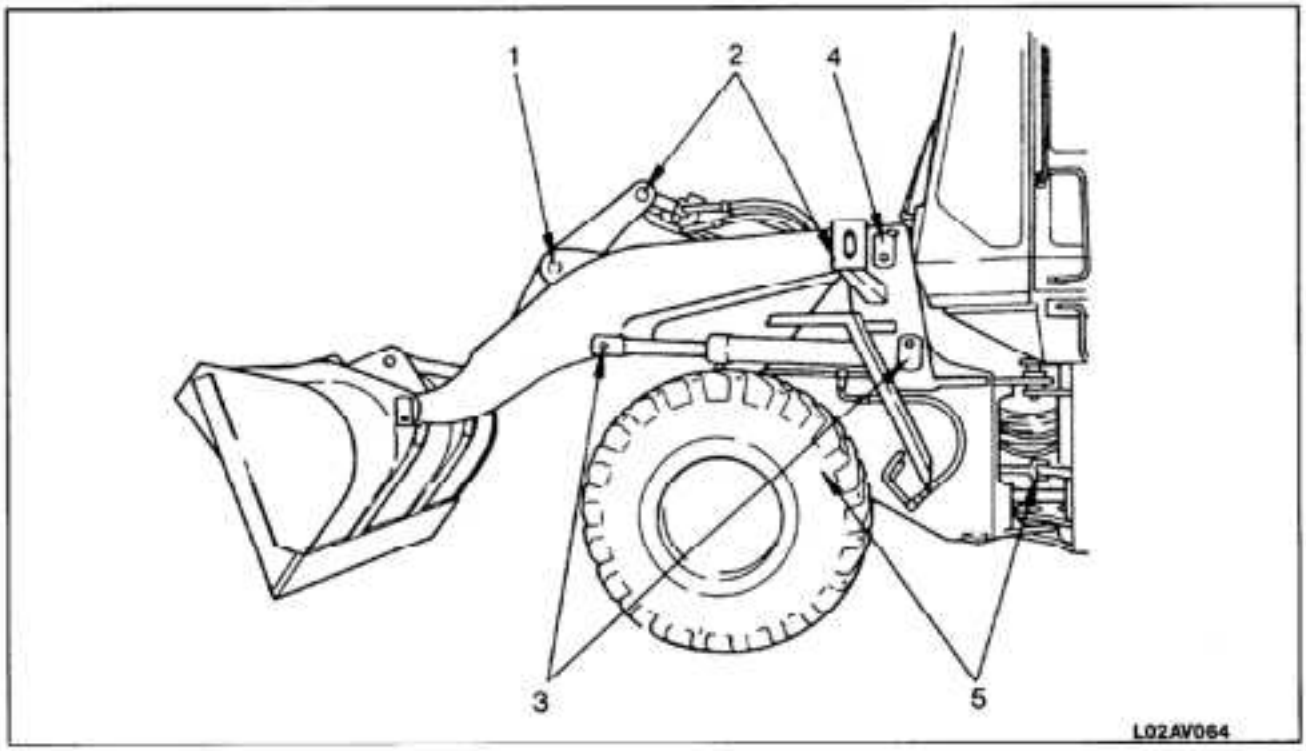
EVERY 250 HOURS SERVICE

★ **Maintenance for every 50 hours and 100 hours should be carried out at the same time.**

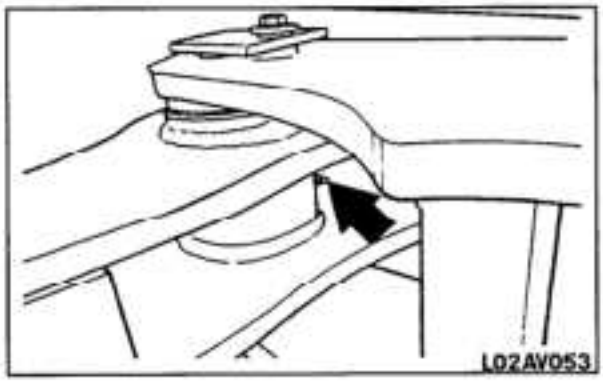
LUBRICATING

Apply grease to the grease fittings shown by arrows.

WARNING! Before starting the greasing service, fully dump the bucket, lower it to the ground, lock the work equipment control lever, apply the parking brake, and stop the engine.



1. Tilt lever pin (1 point)



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STEERING SYSTEM

Center-pivot frame articulation. Orbital type, full-hydraulic steering independent of the engine RPM's.

A wide articulation angle of 40° on each side for a minimum turning radius of 18'9" or 5730 mm at the outside corner of the bucket.

HYDRAULIC SYSTEM

A gear pump for steering and loader control.

Capacity (discharge flow) at engine 2400 RPM

Loader	51.3 U.S. gal/min	205 ltr.

Relief valve setting

Loader	2990 psi	210 kg/cm²
Steering	2700 psi	190 kg/cm²

Control valves

A 2-spool type control valve.

Hydraulic cylinders

Hydraulic cylinders	Number of cylinders	Bore	Stroke
Boom	2	5.12" 130 mm	2'4" 704 mm
Bucket	1	5.91" 150 mm	1'7" 474 mm

Hydraulic cycle time (rated load in bucket)

Raise	5.8 sec.
Dump	1.5 sec.
Lower (empty)	3.2 sec.

SERVICE REFILL CAPACITIES

Cooling system	10.0 U.S. gal.	38 ltr.
Fuel tank	44.9 U.S. gal.	170 ltr.
Engine	5.0 U.S. gal.	19 ltr.
Brake oil tank	0.3 U.S. gal	1 ltr.
Hydraulic system	25.9 U.S. gal.	98 ltr.
Differential and final drive case (each side)	4.5 U.S. gal.	17 ltr.
Torque converter and transmission	8.2 U.S. gal.	31.0 ltr.

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