TEN00426-00

Operation & Maintenance Manual

WHEEL LOADER **WA500-6**

SERIAL NUMBERS 55529 and up

ecot3

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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REMOTE POSITIONER BUCKET ANGLE SET SWITCH

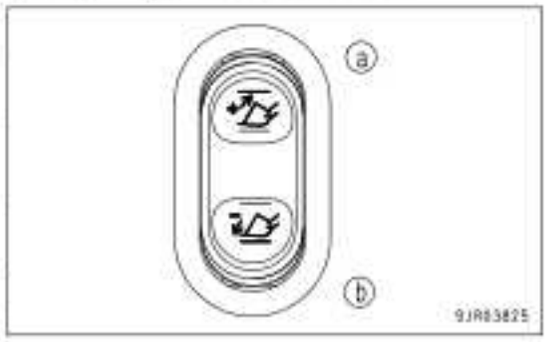
When setting the angle of the bucket, set the bucket control lever to the HOLD position and stop the machine. If the bucket control lever is not at HOLD and the machine is not stopped, the setting cannot be carried out.

When this switch (26) is pressed, the bucket lower is actuated and the angle of the cutting edge is set to the desired angle when the tilt operation is stopped on the ground.

Each time (a) is pressed, the stop position when the leveler is actuated is set to face up one stage.

Each time (b) is pressed, the stop position when the leveler is actuated is set to face down one stage.

When setting the bucket facing up or down, it is possible to set up or down five stages (± 5) from the horizontal. The angle changes approx. 1° for each stage.



When remote positioner bucket angle setting switch (a) or (b) is pressed, the travel speed display on the machine monitor changes to only numerals. (No unit is displayed.)

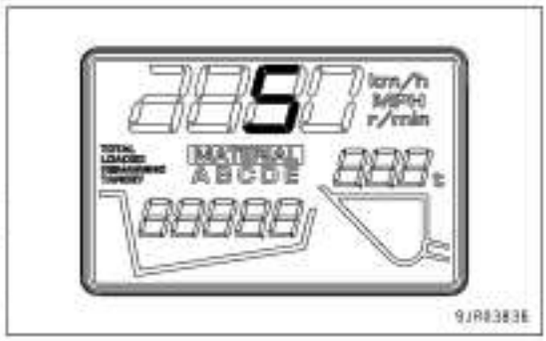
When the initial setting is made, "0" is displayed.

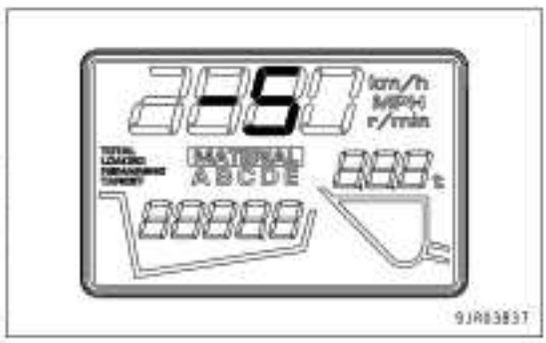
The display shows +5 (up) and -5 (down).

Each time remote positioner bucket angle set switch (a) or (b) is pressed, the display changes +1 or -1, and the buzzer emits short sounds.

When operation of the switch is stopped at the set value, the setting is saved to memory after 3 seconds, and the display switches to the travel speed or engine speed.

Stop the machine before setting the bucket angle.





REMARK

- If the switch is not operated for 3 seconds after the monitor display changes to numerals only, the present setting is retained and the display returns to the travel speed or engine speed display.
- When the setting has been changed the maximum of +5° or -5 °, and the remote positioner bucket angle setting switch (a) or (b) is pressed, the buzzer will emit a long sound.
- When digging hard rock, set the bucket angle facing down; when digging soft rock, set the bucket horizontal.
- For details of operations, see "WORK POSSIBLE USING WHEEL LOADER (PAGE 3-138)" in "DIGGING OPERATIONS (PAGE 3-139)" and "DIGGING AND LOADING ON LEVEL GROUND (PAGE 3-141)".
- The angle of the bucket doesn't change when the remote positioner bucket angle set switch is pushed. The bucket stops at the set angle by operating the bucket leveller after the angle is set.

For details, see "OPERATING REMOTE BUCKET POSITIONER (PAGE 3-136)".

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EVERY 100 HOURS SERVICE

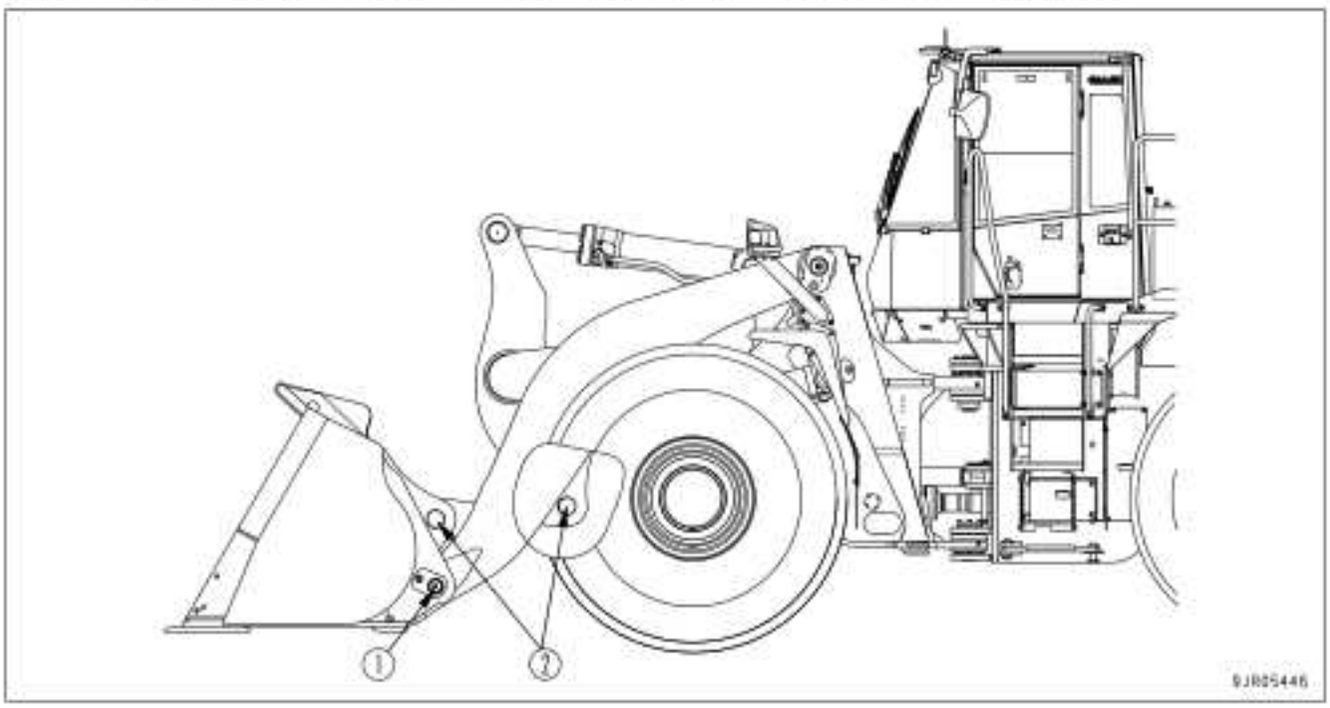
Maintenance for every 50 hours service should be carried out at the same time.

LUBRICATING

1. Using a grease pump, pump in grease through the grease fittings marked by the arrows.
2. After greasing, wipe off any old grease that was pushed out.

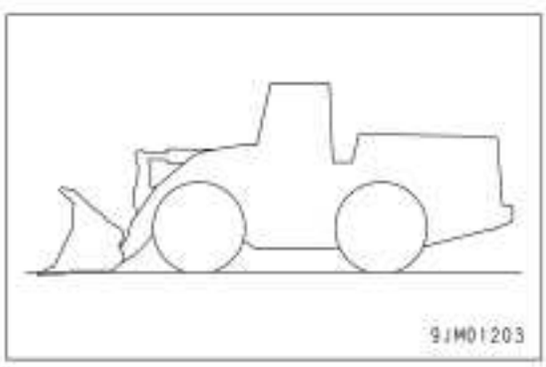
NOTICE

During the initial breaking in for a new machine, carry out lubrication every 10 hours for the first 50 hours of operation.
We recommend use of Hypergrease (G2-T or G2-TE) for lubrication until the initial breaking in is completed.



When greasing bucket pin (1) and bucket link pin (2), set the bucket in the posture shown below.

Lower the bucket to the ground and set it horizontally.



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SPECIFICATIONS

	Item			Uint	WA500-6
	Operating weight (including 1 operator: 80 kg (176 lb))			kg (lb)	32500 (71650)
	Normal load			kg (lb)	9250 (20396)
	Bucket capacity (with bolt on cutting edge (BOC))			m^3 (cu.yd)	5.6 (7.3)
	Engine model			-	Komatsu SAA6D140E-5 diesel engine
	Engine horsepower	Economy mode		kW(HP)/rpm	256(343)/1800
		Power mode		kW(HP)/rpm	263(353)/1900
A	Overall length (Tip of bucket / BOC)			mm (ft in)	9670 (31' 9")/9815 (32' 2")
B	Overall height			mm (ft in)	3785 (12' 5")
C	Bucket overall height			mm (ft in)	6430 (21' 1")
D	Overall width			mm (ft in)	3190 (10' 6")
E	Min. ground clearance			mm (ft in)	450 (1' 6")
F	Bucket width (cutting edge width)			mm (ft in)	3400 (11' 2")
G	Clearance	Tip of bucket		mm (ft in)	3405 (11' 2")
		BOC		mm (ft in)	3295 (10' 10")
H	Reach	Tip of bucket		mm (ft in)	1445 (4' 7")
		BOC		mm (ft in)	1500 (4' 11")
I	Dump angle			degrees	46
	Min. turning radius	Outside of chassis (Tip of bucket / BOC)		mm (ft in)	7610 (25')/7650 (25' 1")
		Center of outside tire		mm (ft in)	6430 (21' 1")
	Permissible towing load			kg (N)	24360 (238890)
	Travel speed (Economy mode) [in lock-up]	Forward	1st	km/h (MPH)	7.3 (4.5)
			2nd	km/h (MPH)	12.5 (7.8) [13.5 (8.4)]
			3rd	km/h (MPH)	20.9 (13.0) [22.2 (13.8)]
			4th	km/h (MPH)	32.1 (19.9) [36.7 (22.8)]
		Reverse	1st	km/h (MPH)	8.1 (5.0)
			2nd	km/h (MPH)	13.0 (8.1) [15.1 (9.4)]
			3rd	km/h (MPH)	23.2 (14.4) [25.0 (15.5)]
			4th	km/h (MPH)	35.0 (21.7) [41.0 (25.5)]
	Travel speed (Power mode) [in lock-up]	Forward	1st	km/h (MPH)	7.7 (4.8)
			2nd	km/h (MPH)	12.5 (7.8) [14.2 (8.9)]
			3rd	km/h (MPH)	22.3 (13.9) [23.4 (14.6)]
			4th	km/h (MPH)	34.9 (21.7) [38.8 (24.3)]
		Reverse	1st	km/h (MPH)	8.6 (5.3)
			2nd	km/h (MPH)	13.0 (8.1) [15.9 (9.9)]
			3rd	km/h (MPH)	24.8 (15.4) [26.2 (16.4)]
			4th	km/h (MPH)	37.5 (23.3) [43.2 (27.0)]

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