Operation & Maintenance Manual

VEAM240100

WA320-5

WHEEL LOADER

SERIAL NUMBERS H50188 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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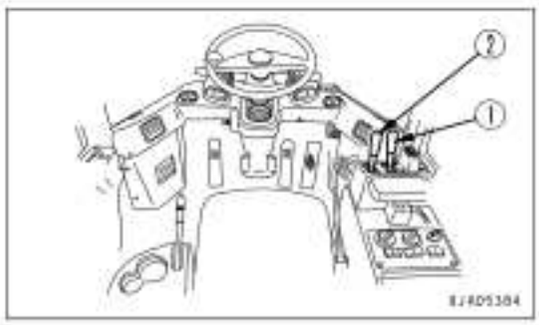
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OPERATION OF WORK EQUIPMENT

⚠ WARNING

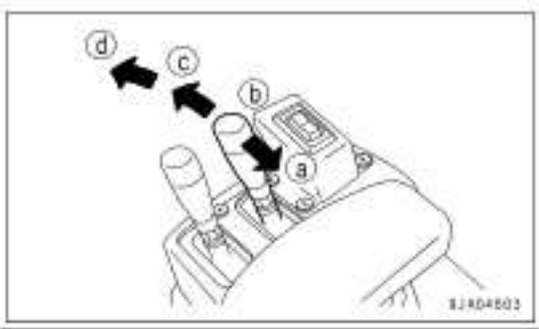
Never raise the boom with the bucket fully loaded when the machine is articulated. There is danger that the machine may tip over.

Lift arm control lever (1) and bucket control lever (2) can be used to operate the lift arm and bucket as follows.



LIFT ARM OPERATION

NOTICE
Do not use the FLOAT position when lowering the bucket. Use the FLOAT position when leveling, see "LEVELING OPERATIONS (3-87)".



Position (a): RAISE

When the lift arm control lever is pulled further from the RAISE position, the lever is stopped in this position until the lift arm reaches the preset position of the kickout, and the lever is returned to the HOLD position.

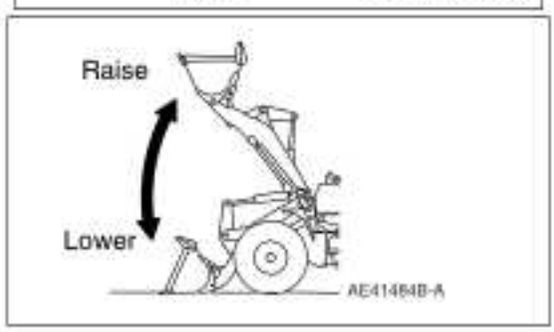
Position (b): HOLD

The lift arm is kept in the same position.

Position (c): LOWER

Position (d): FLOAT

The lift arm moves freely under external force.



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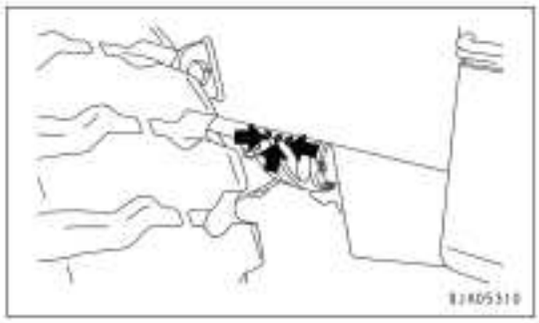
EVERY 100 HOURS SERVICE

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

LUBRICATE REAR AXLE PIVOT PIN

(3 places)

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.



CLEAN ELEMENT IN AIR CONDITIONER FRESH AIR FILTER

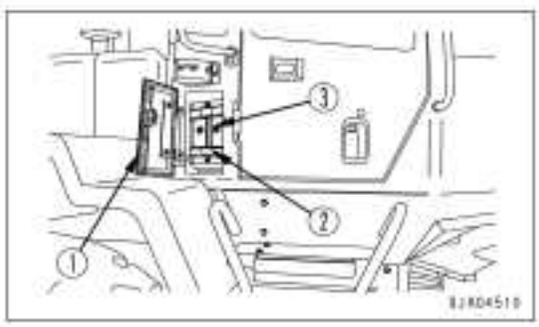
⚠ WARNING

If compressed air is used, there is danger that dirt may fly and cause personal injury.
Always wear safety glasses, dust mask, and other protective equipment.

If the air conditioner has been used, the air filter should be cleaned.

Stop the air conditioner before cleaning the element.

1. Open cover (1).
2. Remove bracket (2) and filter (3) as one unit.
3. Direct dry compressed air (less than 0.69 MPa (7 kgf/ cm2, 99.4 PSI)) to the element from inside along its folds, then direct it from outside along its folds and again from inside.
4. When installing, fit filter (3) into bracket (2), then install.



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TECHNICAL DATA

TECHNICAL DATA

	Item			Unit	
	Operating weight (including 1 operator: 75 kg) (with bolt on cutting edge)			kg	14.040
	Normal load			kg	4.480
	Bucket capacity	Heaped		m^3	2,7
	Engine model			-	Komatsu SAA6D102E diesel engine
	Flywheel horsepower			kW (HP)/rpm	124 (169) / 2,000
A	Overall length			mm	7,475
B	Overall height			mm	3,200
C	Max. dimension when shaking bucket			mm	5,260
D	Overall width			mm	2,525
E	Min. ground clearance			mm	440
F	Bucket width			mm	2,740
G	Clearance	Cutting edge [BOC tip]		mm	2,855
H	Reach	Cutting edge [BOC tip]		mm	990
I	Dump angle			degrees	45
	Min. turning radius	Out of chassis		mm	6,085
		Center of outside tire		mm	5,475
	Travel speed	Forward	1st	km/h	4.0 to 13.0
			2nd	km/h	13.0
			3rd	km/h	18.0
			4th	km/h	38.0
		Reverse	1st	km/h	4.0 to 13.0
			2nd	km/h	13.0
			3rd	km/h	18.0
			4th	km/h	38.0
	Hydraulic pressure	Lift circuit Tilt circuit Third control circuit		bar	210

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