Operation & Maintenance Manual

VEAM230101

WA250-5H

WHEEL LOADER

SERIAL NUMBERS H50279 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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Manufacturer-supplied CE-conforming equipment, according to document 421-93-H1900

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, vertical
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)
X1 Distance: cutter protection - front axle, horizontal
X2 Distance: cutter protection - road level, vertical
Y1 Distance: teeth protection - front axle, horizontal
Y2 Distance: teeth protection - road level, vertical
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

WA250-5H	421-93-H1900
A1	1,870 mm
A2	1,960 mm
Sh	700 mm
B1	1,910 mm
B2	2,890 mm
C1	1,465 mm
C2	1,450 mm
D1	475 mm
D2	2,150 mm
G	4,880 mm
H1	1,010 mm
H2	1,525 mm
J	270 mm
X1	2,285 mm
X2	975 mm
Y1	2,440 mm
Y2	1,120 mm
b1	930 mm
b2	88 mm
b3	88 mm
b4	422.5 mm
c	355 mm
d1	75 mm
d2	75 mm
e	0
h	250 mm
l	80 mm
1	Driver's eye
2	Vision line
3	Bolts
Tyres	MICHELIN 20.5R25 XHA
Bucket	2.1 m^3 418-70-H2021

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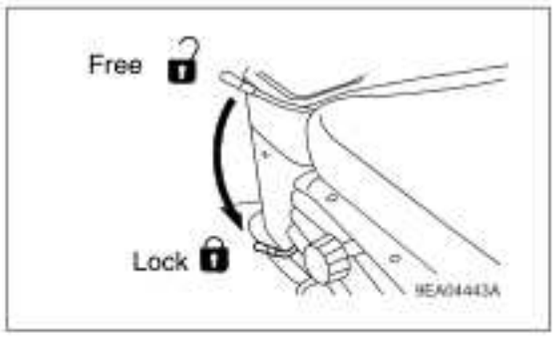
Safety lock lever (for work equipment lever)

⚠ WARNING

- **Before leaving the operator's seat, set the safety lock lever securely to the LOCK position. If the safety lock lever is not at the LOCK position, and work equipment control lever is touched by mistake, it may lead to a serious accident.**
- **If the safety lock lever is not placed securely at the LOCK position, the work equipment control lever may move, and this may lead to a serious accident or personal injury. Check that the lever is in the LOCK position.**
- **When pulling up or pushing down the safety lock lever, be careful not to touch work equipment control lever.**

This lever (2) is a lock device for the work equipment control lever.
Push the safety lock lever down to lock it.

REMARK
If the safety lock lever is at the LOCK position, the work equipment will not move even when the work equipment control lever is operated.

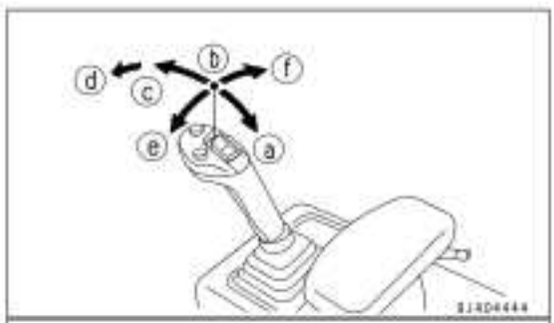


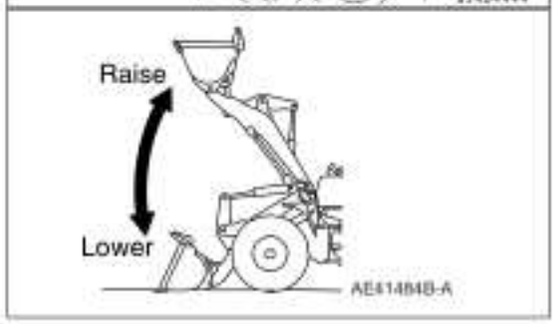
Work equipment lever

Use this lever (3) to operate the lift arm and bucket.

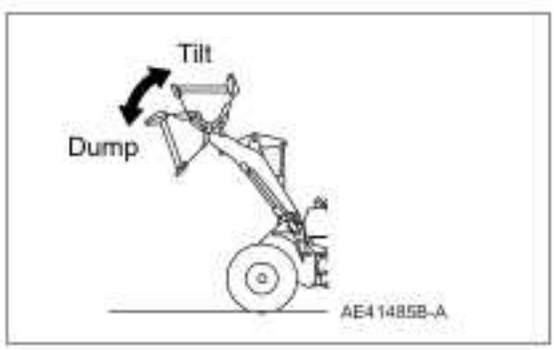
NOTICE
Do not use the FLOAT position when lowering the bucket. Use the FLOAT position when leveling, see "Leveling operations on page 3-78".

Position (a): RAISE
When the work equipment 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 and bucket stop and remain in the same position.
Position (c): LOWER
Position (d): FLOAT
The lift arm moves freely under external force.





Position (e): TILT
When the work equipment control lever is pulled further from the TILT position, the lever is stopped in this position until the bucket reaches the preset position of the positioner, and the lever is returned to the HOLD position.
Position (f): DUMP



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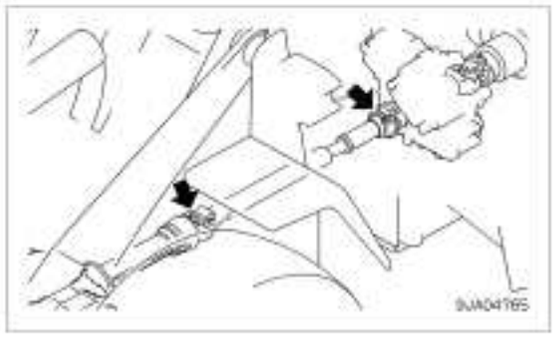
Every 4000 hours service

Maintenance for every 50, 100, 250, 500, 1000 and 2000 hours service should be carried out at the same time.

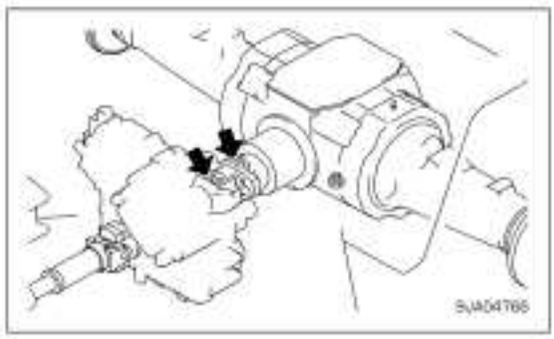
Lubricating

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.

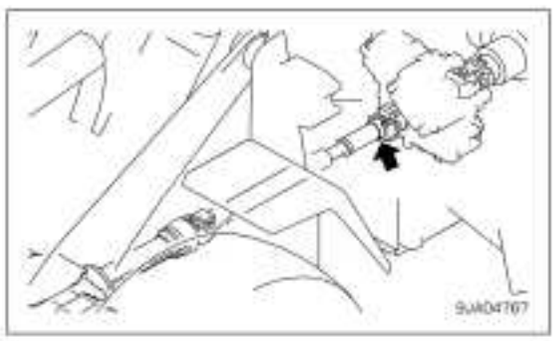
(1) Front drive shaft (2 places)



(2) Rear drive shaft (2 places)



(3) Drive shaft spline (1 place)



Check water pump

Check that there is no play in the pulley or any grease leakage, water leakage, or clogging of the drain hole. If any abnormality is found, contact your Komatsu distributor for disassembly and repair or replacement.

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