CEAM008902

Operation & Maintenance Manual

KOMATSU®

WA450-5L

WHEEL LOADER

SERIAL NUMBERS WA450-5L A36001 and up

ENGINE 6D125E-3

April 2016

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SAFETY LOCK LEVER

⚠ WARNING

Before getting up from 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 (A) 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 may move, and this may lead to a serious accident or personal injury. Check that the lever is in the position shown in the diagram.

When pulling up or pushing down the safety lock lever, be careful not to touch work equipment control lever (A).

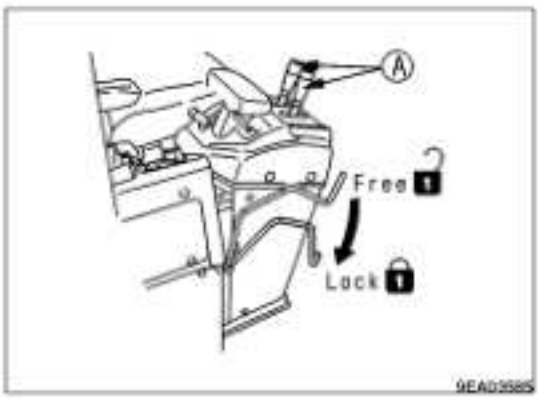
This lever (4) is a locking device for the work equipment control lever.

Push the safety lock lever down to lock it.

Remark

This lever electrically locks the hydraulic circuit for the work equipment, so if it is at the LOCK position, the work equipment will not move even when work equipment control lever (A) is operated.

If the work equipment control lever is operated when this lever is at the LOCK position, the central warning lamp lights up and the alarm buzzer sounds. At the same time, "E00 WORK LEVER POSI" is displayed on the character display.

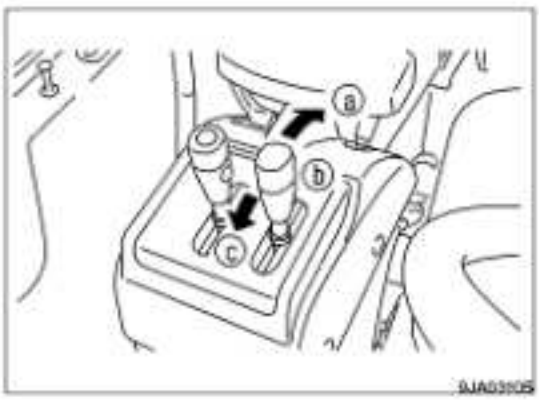


BUCKET CONTROL LEVER

Lever (5) operates the bucket.

Position (a): TILT

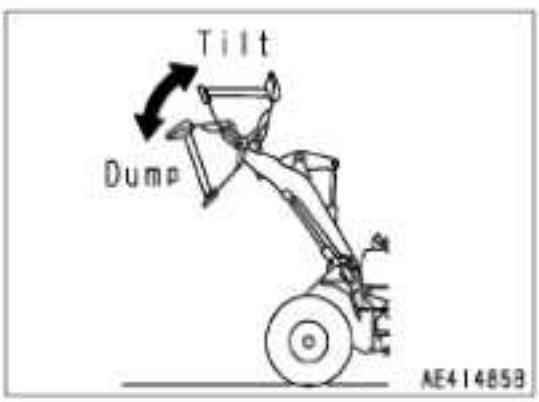
When the bucket control lever is pulled further from the TILT position, the lever is stopped in this position until the bucket reaches the preset position of the positioner, and the lever is returned to the HOLD position.



Position (b): HOLD

The bucket is kept in the same position.

Position (c): DUMP



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GREASE

- Grease is used to prevent twisting and noise at the joints.
- The grease fittings not included in the MAINTENANCE section are grease fittings for overhaul, so they do not need grease.
- If any part becomes stiff or makes noise after being used for long time, apply grease.
- Always wipe off all of the old grease that is pushed out when greasing.
- Be particularly careful to wipe off the old grease in places where sand or dirt sticking in the grease would cause wear of the rotating parts.

PERFORMING KOWA (KOMATSU OIL WEAR ANALYSIS)

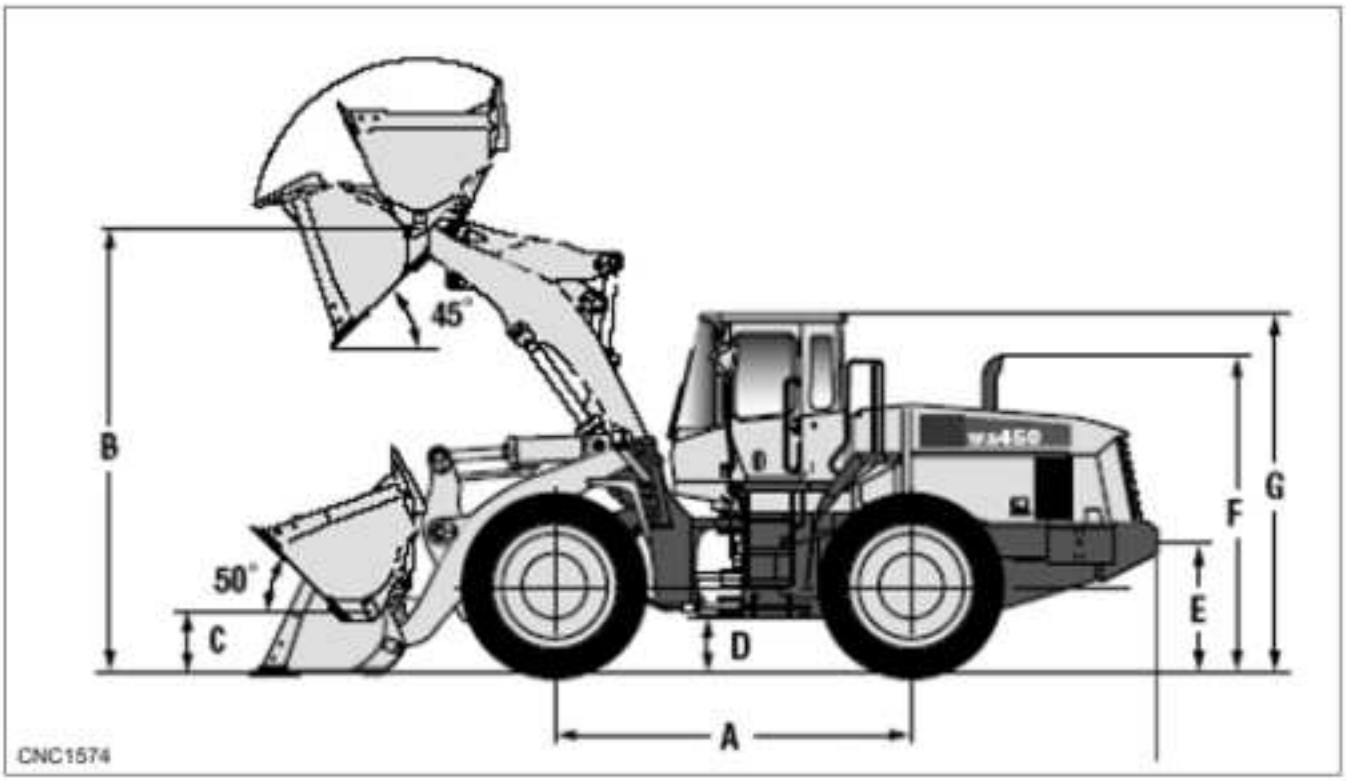
KOWA (Komatsu Oil Wear Analysis) is a maintenance service that makes it possible to prevent machine failures and down-time. With KOWA, the oil is periodically sampled and analyzed. This enables early detection of wear of the machine drive parts and other abnormalities.

Periodic use of KOWA makes the following possible:

- It enables the accurate understanding of the machine condition by utilizing our long experience and accumulated data base.
- The report on the result of analysis and recommendation will be delivered to the customer soon at low cost (only the actual expenses will be charged). Use of this service is strongly recommended.

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MACHINE DIMENSIONS AND WEIGHTS



TIRES

	Tire Specifications		mm	(in)
	Tread		2300	7'7"
	Width over tires		3010	9'11"
A	Wheel base		3450	11'4"
B	Hinge pin height at Max. height	Standard boom	4360	14'4"
		High lift boom	4870	16'0"
B	Hinge pin height at carry position	Standard boom	585	1'11"
		High lift boom	730	3'5"
D	Ground clearance		525	1'9"
E	Hitch point height		1240	4'1"
F	Overall height, top of stack		3080	10'2"
G	Overall height ROPS cab		3460	11'4"

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FAN SOLENOID VALVE

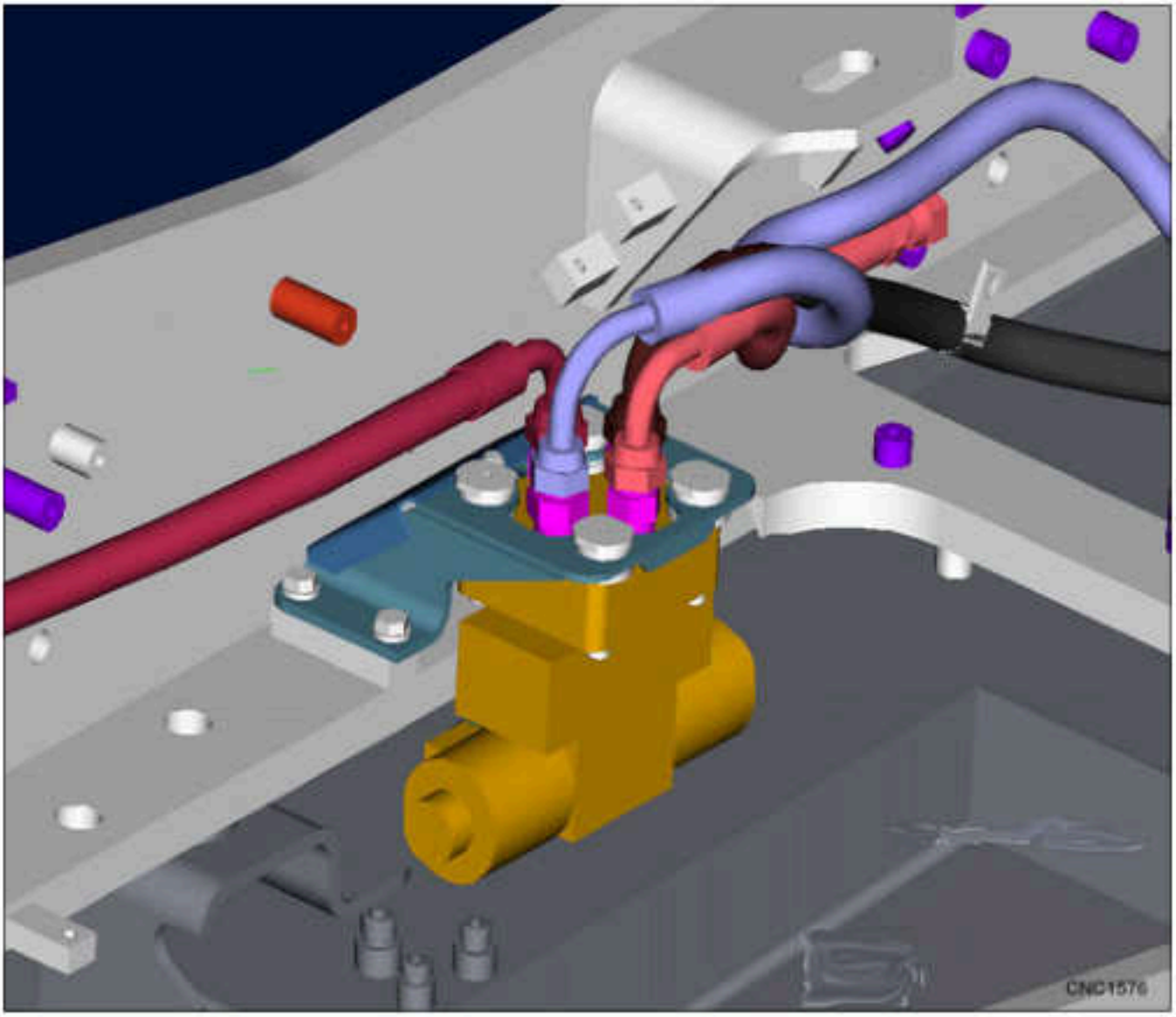
★ Waste Handler

When cleaning the machine, this area should be protected from high pressure water and soaps. Due to the location and design of the fan solenoid valve damage or premature failure may result if high pressure water or soaps come in contact with the solenoid valve assembly. Use only mild soaps and low pressure water to clean this valve.

Remark

This valve area should be cleaned every 250 hours of operation.

When washing around this area it is advised to protect this component with a plastic cover.



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