SEAD033202T

Operation & Maintenance Manual

WA300L-3

WHEEL LOADER

SERIAL NUMBERS WA300L-3 —53001 and up

September 2001

KOMATSU®

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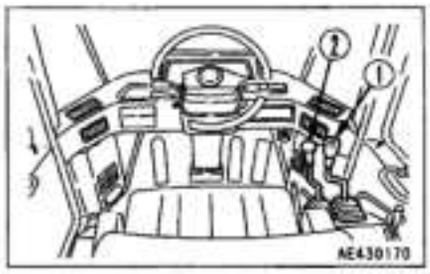
SPECIFICATIONS

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12.9 OPERATION OF WORK EQUIPMENT

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



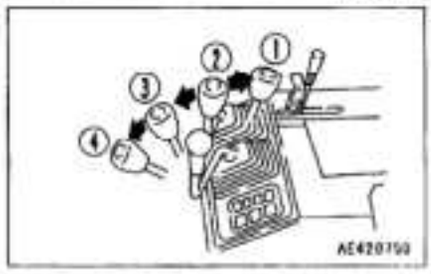
LIFT ARM OPERATION (LEVER ①)

① Raise ( )

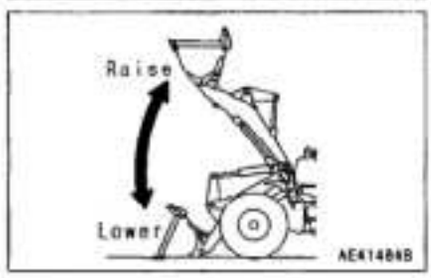
② Hold ( ): The lift arm is kept in the same position.

③ Lower ( )

④ Float ( ): The lift arm moves freely under external force.



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 kick-out position, and the lever is return to the hold position.



NOTICE

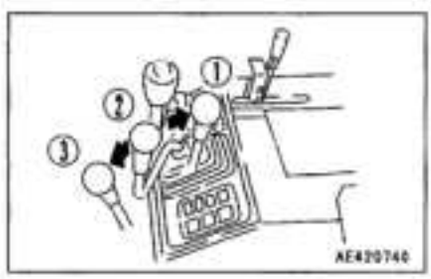
Do not use the FLOAT position when lowering the bucket.

BUCKET OPERATION (LEVER ②)

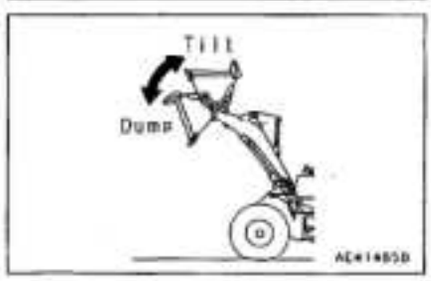
① Tilt ( )

② Hold ( ): The bucket is kept in the same position.

③ Dump ( )



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 return to the hold position.



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24.7 EVERY 500 HOURS SERVICE

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

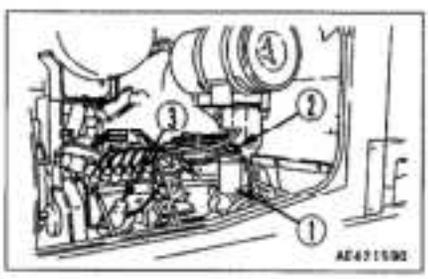
24.7.1 REPLACE FUEL FILTER CARTRIDGE

⚠WARNING

- **Engine is at high temperature immediately after the machine has been operated. Wait for engine to cool down before replacing the filter.**
- **Do not bring fire or sparks near the fuel.**

Prepare a filter wrench and a container to catch the fuel.

1. Open the side cover located on the left of the machine.
2. Set the container to catch the fuel under the filter cartridge.



3. Using a filter wrench, turn filter cartridge ① counterclockwise to remove it.
4. Clean the filter holder, fill a new filter cartridge with clean fuel, coat the packing surface with engine oil, then install it to the filter holder.
5. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten approx. 2/3 of a turn. If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten to the correct amount.
6. After replacing filter cartridge ①, loosen air bleed plug ②.
7. Loosen feed pump knob ③ and move the pump up and down to draw off fuel until air ceases to come out of air bleed plug ②.
8. After bleeding the air, tighten air bleed plug ②, then push in the knob of feed pump ③ and tighten it.

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24.9 EVERY 2000 HOURS SERVICE

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

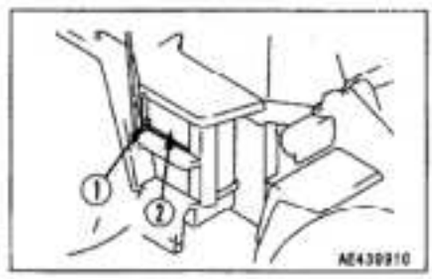
24.9.1 CHANGE OIL IN HYDRAULIC TANK, REPLACE HYDRAULIC FILTER ELEMENT

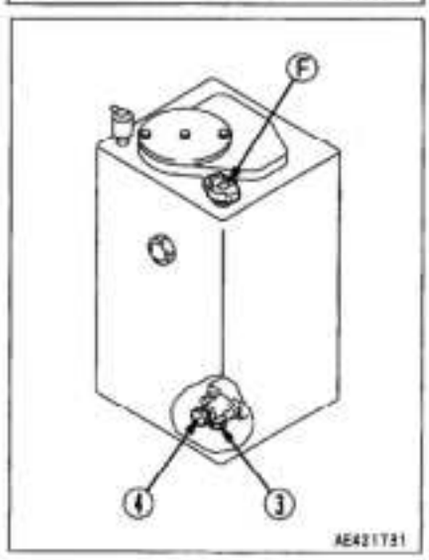
⚠WARNING

The oil is at high temperature immediately after the machine has been operated. Wait for the oil to cool down before changing the oil. When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it carefully.

Prepare the following.
- Container to catch drained oil: min. 116 ℓ capacity
- Refill capacity: 116 ℓ (30.6 US gal, 25.5 UK gal)

1. Lower the bucket horizontally to the ground and apply the parking brake, then stop the engine.
2. Remove bolt ①, then remove cover ②.
   Cover design varies depending on machine.
3. Remove the cap of oil filler .
4. Set a container to catch the oil under drain plug ③.
5. Remove drain plug ③.
6. Open drain valve ④ gradually to drain the oil.
7. After draining the oil, close drain valve ④, then tighten drain plug ③.





Tightening torque
Drain plug ③: 68.6 ± 9.8 N·m (7.0 ± 1.0 kgf·m, 50.6 ± 7.2 lbft)
Drain valve ④: 63.7 ± 14.7 N·m (6.5 ± 1.5 kgf·m, 47.0 ± 10.8 lbft)

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