CEAM004002

# Operation & Maintenance Manual

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KOMATSU®

# WA900-3LC

## WHEEL LOADER

SERIAL NUMBERS **WA900-3LC - A50001** and UP

September 2002

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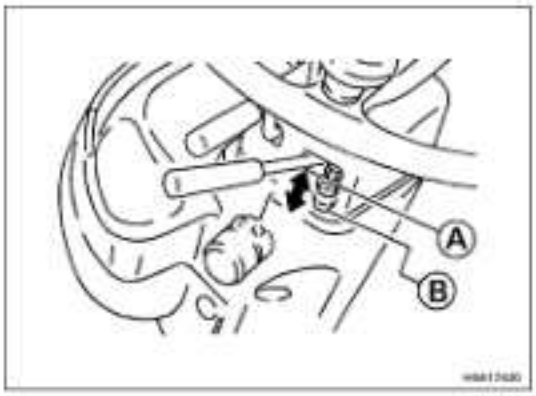
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## SPEED CONTROL LEVER LOCK

This lock prevents the speed control lever from entering the 3rd gear range when working.

**A:** Locked

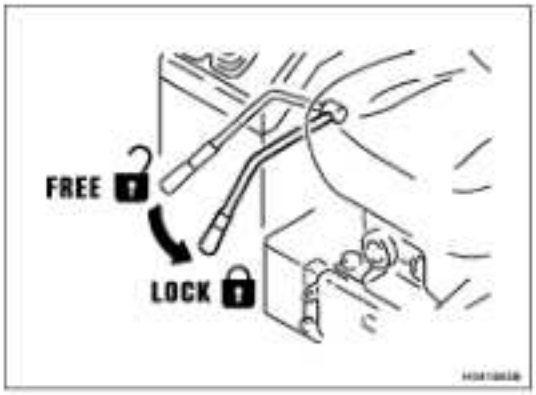
**B:** Unlocked




## SAFETY LOCK LEVER

**WARNING**

**When leaving the operators compartment, set the safety lock lever in the LOCK position. If the control levers are not locked and touched by mistake, this may lead to a serious accident. If the safety lock lever is not placed securely in the LOCK position, the control levers may not be properly locked. Check the situation as shown in the diagram. When parking the machine or carrying out maintenance, always lower the bucket to the ground and apply the lock.**




This lever is used to lock the work equipment levers. Push the lever down to apply the lock.

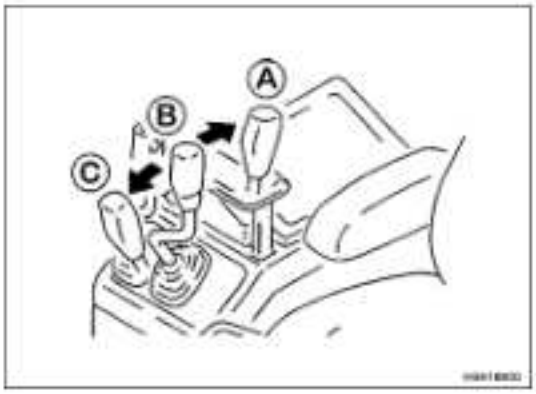
## BUCKET CONTROL LEVER

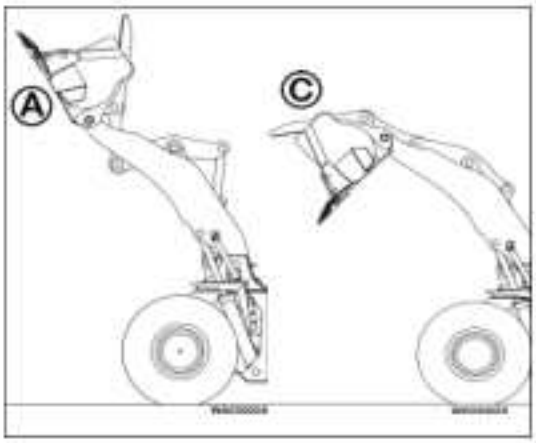
This lever operates the bucket.

**A:** TILT BACK  When the bucket control lever is moved to the TILT BACK position, the lever will lock if you pull it all the way back to the lock position. When the bucket reaches a preset position the lever will return to the HOLD position and all functions will stop.

**B:** HOLD  The bucket is kept in the same position.

**C:** DUMP  Move the lever forward past hold and the bucket will tilt forward.





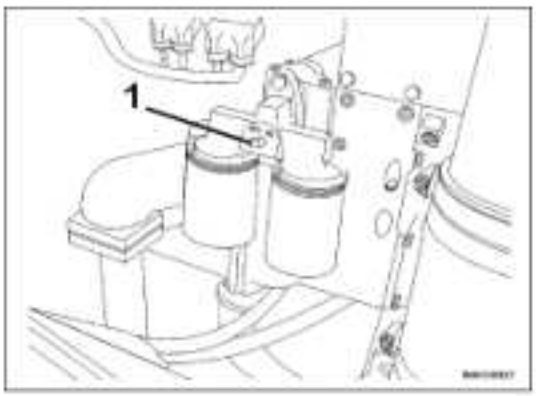

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Prepare the following:

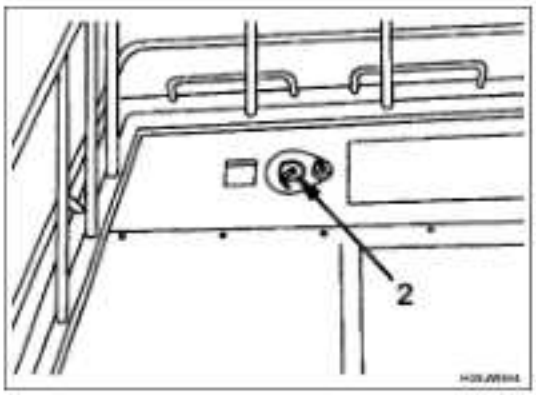
Coolant catch container..... Min 319 liter (84 gal) capacity

Drain tube x two..... 424-98-11120

Refill capacity.....319 liter (84 gal)



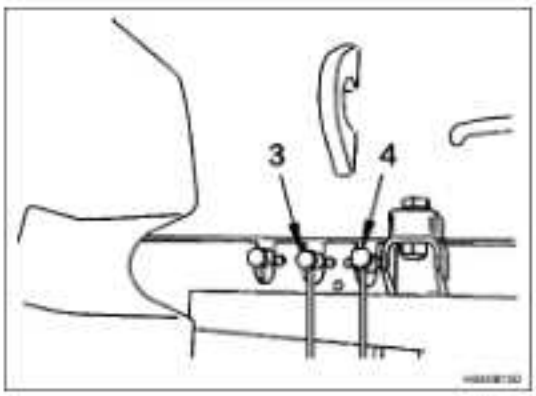

1. Stop the engine and tighten corrosion resistor valve (1).




2. Turn radiator cap (2) slowly to remove it. When removing radiator cap, first relieve internal pressure by turning the cap only a partial rotation.

***Remark***

*When flushing the cooling system it is important to catch and recycle all used coolant. EPA and local regulations require all engine fluids to be trapped and recycled.*




3. Install drain hoses to valves (3 and 4). Prepare a container to catch the coolant, then open drain valve (4) of the radiator and drain valve (3) on the oil cooler to drain the coolant.
4. After draining the water, close drain valves (3 and 4) and fill with non-mineral based water.
5. When the radiator is full, start the engine and run it at low idle. Open drain valves (3 and 4), run the engine at low idle, and flush water through the system for 10 minutes. While doing this, adjust the speed of filling and draining so that the radiator is always full. While flushing water through the system, watch the water inlet hose carefully, be sure it does not come out of the radiator water filler neck.
6. After flushing, stop the engine, open drain valves (3 and 4), then close them again after all the water has drained out.
7. After draining the system, clean with a flushing agent. For details on the cleaning procedures, see the instructions given with the cleaning agent.
8. After cleaning, open drain valves (3 and 4) to drain all the cleaning agent, then close them and fill slowly with clean water.
9. When the water is close to the filler port neck, open drain valves (3 and 4), run the engine at low idle, and continue to run water through the system until clean clear water flows out. When doing this, adjust the speed of filling and draining so the radiator is always full.
10. When the water is completely clear, stop the engine, close drain valves (3 and 4).



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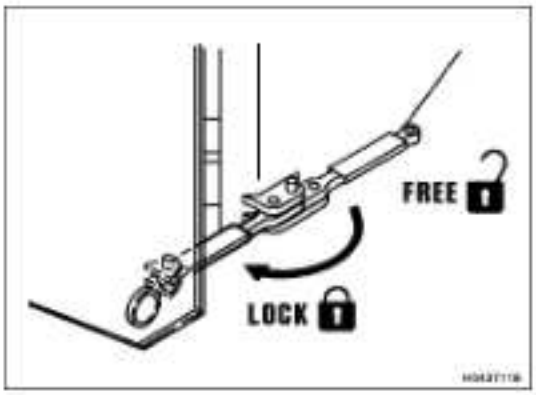
## LUBRICATION

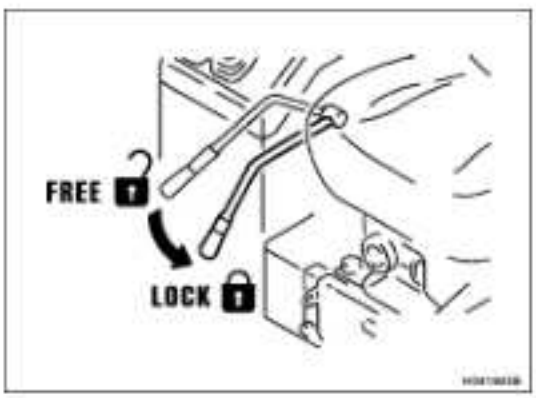
**WARNING**

**Apply the parking brake, and lock the front and rear frames with the safety bar and pin.**
**Set the work equipment in a stable condition, then stop the engine, tag the work equipment control levers and remove ignition key.**

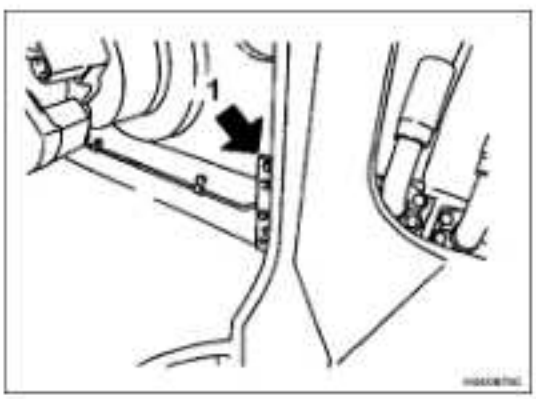


1. Be sure to clean the grease fittings off before hooking up the grease pump.
2. Using a grease pump, pump in grease through the grease fittings marked by the arrows
3. After greasing, wipe off any old grease that is pushed out.




(1) Center hinge pin..... 2 points






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