TEN00407-05

Operation & Maintenance Manual

WHEEL LOADER **WA200PZ-6**

SERIAL NUMBERS 71080 and up

ecot3

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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TRANSPORTATION

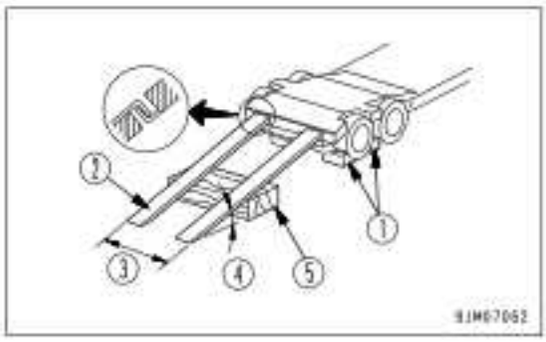
When the machine is transported on a trailer, there is danger of serious personal injury or death during transportation. Always observe the following.

- Always check the machine dimensions carefully. Depending on the work equipment installed, the machine weight, transportation height, and overall length may differ.
- Check beforehand that all bridges and other structures on the transportation route are strong enough to withstand the combined weight of the transporter and the machine being transported.
- The machine can be divided into parts for transportation, so when transporting the machine, consult your Komatsu distributor to have the work performed.
- Lock the frame with the frame lock bar to prevent the machine from articulating.
- Fit chains to the front frame and the rear frame to hold the machine securely in position.
- For details of the procedure for transporting the machine, see "TRANSPORTATION (PAGE 3-146)".

LOADING AND UNLOADING

When loading or unloading the machine, mistaken operation may bring the hazard of the machine tipping over or falling, so particular care is necessary. Always observe the following.

- Perform loading and unloading on firm, level ground only. Maintain a safe distance from the edge of the road or cliff.
- Always use ramps of adequate strength. Be sure that the ramps are wide, long, and thick enough to provide a safe loading slope. Take suitable steps to prevent the ramps from moving out of position or coming off.
- Be sure the ramp surface is clean and free of grease, oil, ice and loose materials. Remove dirt from the tire of the machine. On a rainy day, in particular, be extremely careful since the ramp surface is slippery.
- Run the engine at Low idle (MIN) and drive the machine slowly at low speed.
- Never correct your steering on the ramps. If necessary, drive off the ramps, correct the direction, then enter the ramps again.



(1) Blocks
(2) Ramp
(3) Width of ramps: Same width as tiers
(4) Angle of ramps: Max. 15 deg.
(5) Block

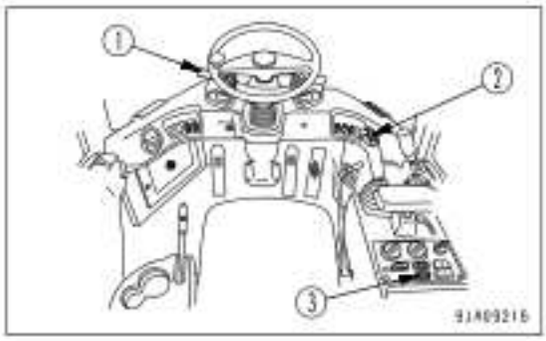
- When loading or unloading the machine to an embankment or platform, make sure that it has suitable width, strength, and grade.
- For machines equipped with a cab, always lock the door after boarding the machine. If this is not done, the door may suddenly open during transportation.
  Refer to "TRANSPORTATION (PAGE 3-146)".
- When it is necessary to remove handrails and steps, take care not to lose removed handrails and steps. Install the removed handrails and steps securely.

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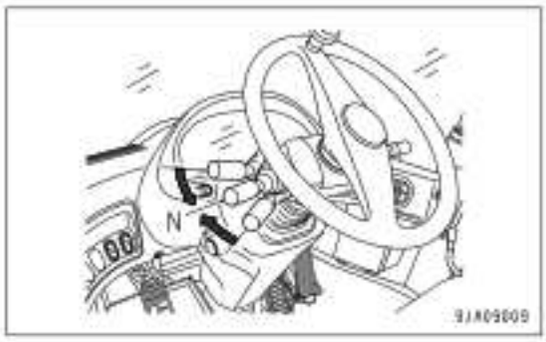
USING SWITCH TO CHANGE BETWEEN FORWARD AND REVERSE

WARNING

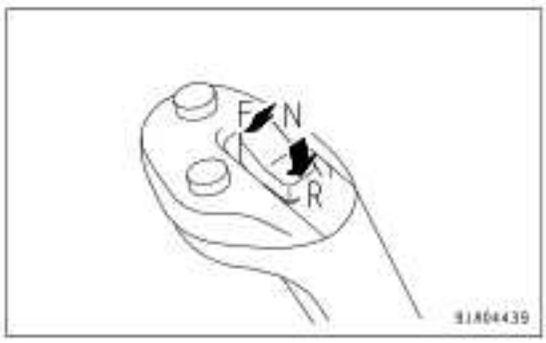
When the directional selector switch actuation switch (3) is at the ON position, if the directional lever (1) is operated to FORWARD or REVERSE, the machine will travel in forward or reverse according to the operation of the directional lever, regardless of the position of the directional selector switch (2).
Priority is given to the operation of the directional lever, so be careful when operating.



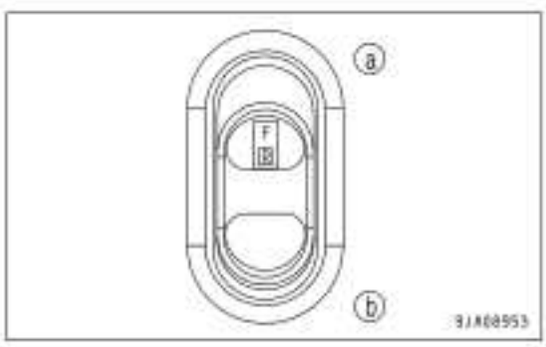
1. Place the directional lever (1) at the N position.



2. Place the directional selector switch (2) at the N position.



3. Place the directional selector switch actuation switch (3) at the ON position (a).



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EVERY 500 HOURS SERVICE

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

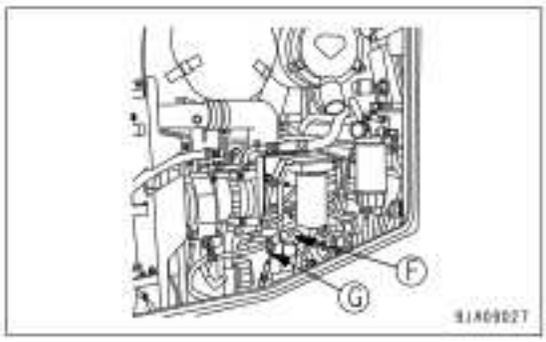
CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

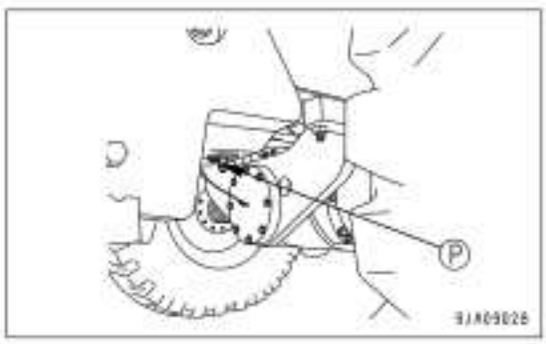
⚠ WARNING

- **Immediately after the engine is stopped, its parts and oil are still very hot, and may cause burn injury. Accordingly, wait until they have cooled down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

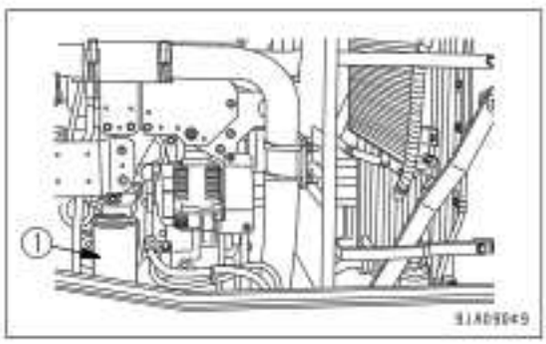
- Refill capacity: 15.5 liters (4.1 US gal)
- Prepare a filter wrench

1. Open the engine side cover on the right side of the machine.
2. Remove oil filler cap (F).
3. Place a container to catch the oil under drain plug (P).
4. Loosen drain plug (P) and drain the oil. Be careful not to get oil on yourself.
5. Check the drained oil, and if there are excessive metal particles or foreign material, contact your Komatsu distributor.
6. Tighten drain plug (P).





7. Open the engine side cover on the left side of the chassis.
8. Using the filter wrench, turn filter cartridge (1) counterclockwise to remove it.
9. Clean the filter holder, fill the new filter cartridge with engine oil, then coat the seal and thread of the filter cartridge with engine oil (or coat thinly with grease) and install.
10. When installing the seal, tighten it so its surface comes into contact with the filter holder, then tighten another 3/4 turn.



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