Operation & Maintenance Manual

SEAM059800T

WA30-5
WA50-3

WHEEL LOADER

SERIAL NUMBERS WA30-26001 and up
WA50-23001

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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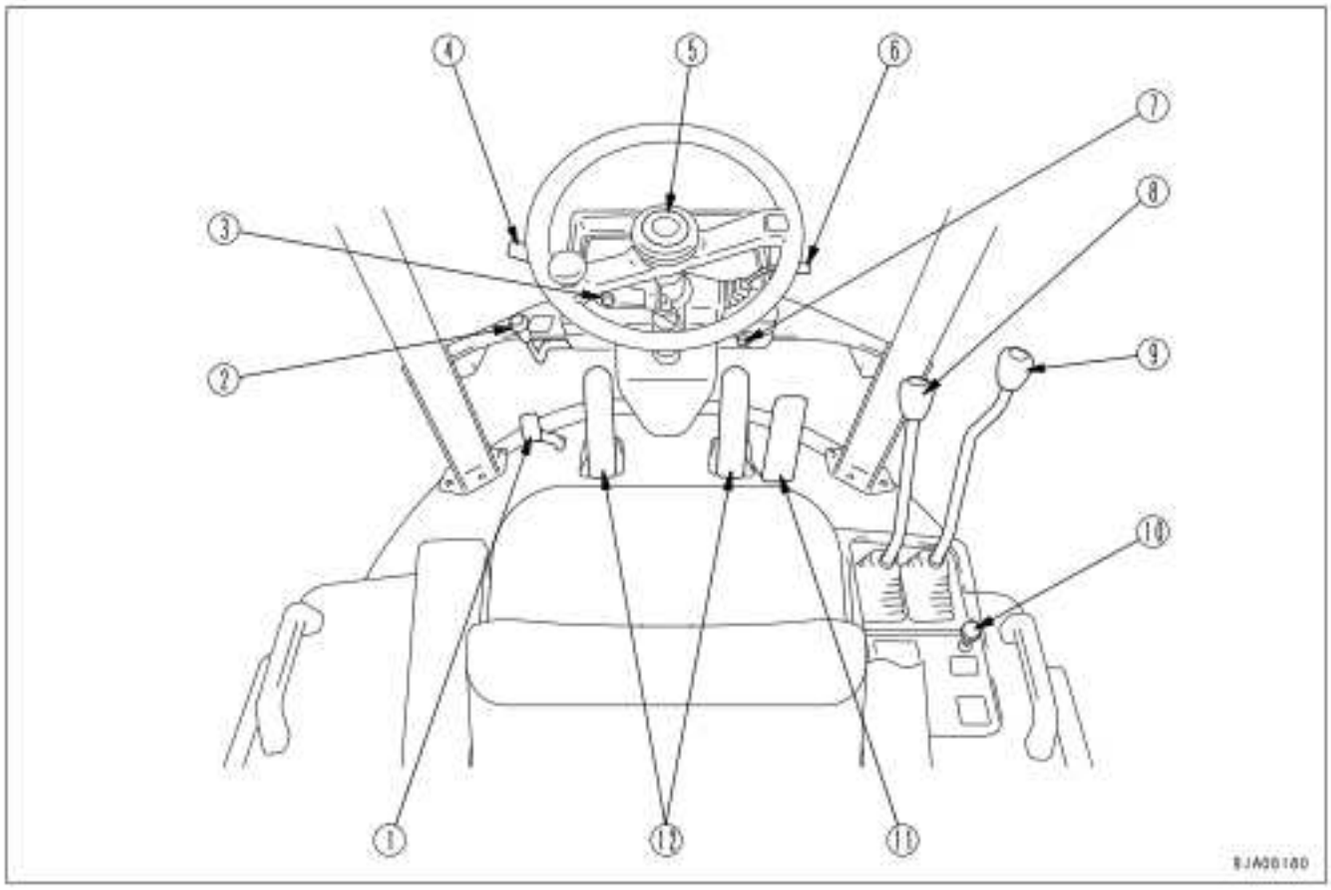
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GENERAL VIEW OF CONTROLS AND GAUGES



(1) Parking brake pedal
(2) Parking brake release lever
(3) Safety lock for directional lever
(4) Directional lever
(5) Horn button
(6) Lamp switch, Turn signal lever
(7) Starting switch
(8) Work equipment control lever
(9) Attachment control lever (If equipped)
(10) Safety lock
(11) Accelerator pedal
(12) Brake pedal

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REMOVAL, INSTALLATION OF CANOPY

⚠ WARNING

Precautions for the removal and installation operation

When removing or installing the canopy, always obey the following precautions to ensure safety during the operation.

- **When carrying out the removal or installation operation, stop the machine on firm, flat ground.**
- **When carrying out the operation with two or more workers, determine the signals and always follow them during the operation.**
- **Weight of parts: Pole 9 kg (19.85 lb)(one side), roof 15 kg (33.08 lb)**
- **Always support parts when removing them.**
- **After removing parts or before installing them, always set them in a stable condition and prevent them from falling over.**
- **When installing the canopy, tighten the canopy mounting bolts securely. If the bolts are loose, there is danger that the canopy may fall off.**

REMOVAL

1. Support roof (1) so that it does not tilt at an angle and does not fall off.
2. Remove 4 roof mounting bolts (2), then remove roof (1).
   Weight of roof: 15 kg (33.08 lb)
3. Secure pole (3) so that it does not fall over, remove 4 pole mounting bolts (4), then remove pole (3).
   Weight of pole: 9 kg (19.85 lb)
4. Remove pole (5) in the same way as pole (3).



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EVERY 1000 HOURS SERVICE OR EVERY 1 YEAR

Carry out maintenance for EVERY 50 HOURS (1 MONTH), EVERY 250 HOURS (3 MONTHS) and EVERY 500 HOURS (6 MONTHS) at the same time.

CHANGE OIL IN HYDRAULIC TANK, REPLACE HYDRAULIC OIL FILTER CARTRIDGE AND HST FILTER ELEMENT

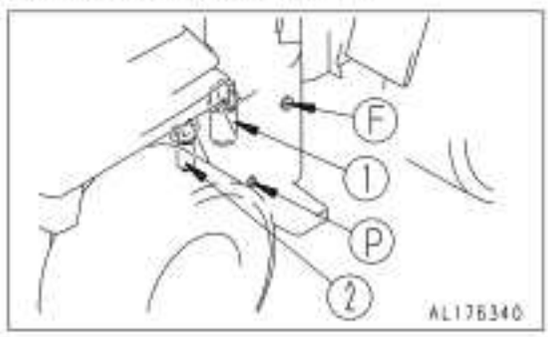
⚠ WARNING

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.

- Container to catch drained oil: Min. 28 liters (7.4 US gal) capacity
- Refill capacity: 28 liters (7.4 US gal)
- Filter wrench

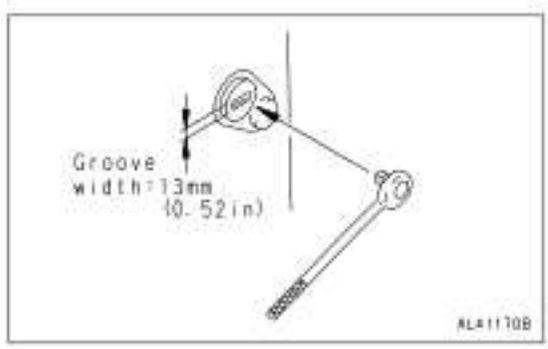
1. Lower the bucket horizontally to the ground and apply the parking brake, then stop the engine.
2. When removing the cap of oil filler port (F), turn it slowly to release the internal pressure, then remove it carefully.
3. Set a container to catch the oil under drain plug (P).
4. Remove drain plug (P) to drain oil.
5. After draining the oil, tighten drain plug (P).
6. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
7. Clean the filter holder, fill the new filter cartridge with clean oil, coat the packing surface of the new filter cartridge with oil (or coat thinly with grease), then install.
8. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it a further 3/4 to 1 turn.
9. Using a wrench, turn HST oil filter case (2) to the left to remove it.
10. Install a new filter, then tighten the case.



NOTICE

When removing or installing the oil filler cap or drain plug, use a tool which matches the width of the cap groove.

It is dangerous to use a tool which does not match the groove width, because it will slip.



11. Refill the specified quantity of oil through oil filler (F).
12. Run the engine at low idling for 5 minutes to bleed the air from the HST circuit.
13. Check the hydraulic oil level to confirm that it is up to the specified point. For details, see "CHECK OIL LEVEL IN HYDRAULIC TANK, ADD OIL (PAGE 4-32)".
14. Run the engine at low idling, and extend and retract the steering, bucket, and lift arm cylinders 4 to 5 times. Be careful not to operate the cylinder to the end of its stroke (stop approx.100 mm (3.9 in) before the end of stroke).

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