SEAM007503T

Operation & Maintenance Manual

WA250-3A

WHEEL LOADER

SERIAL NUMBERS WA250-3A 53305 and up

May 2004

KOMATSU

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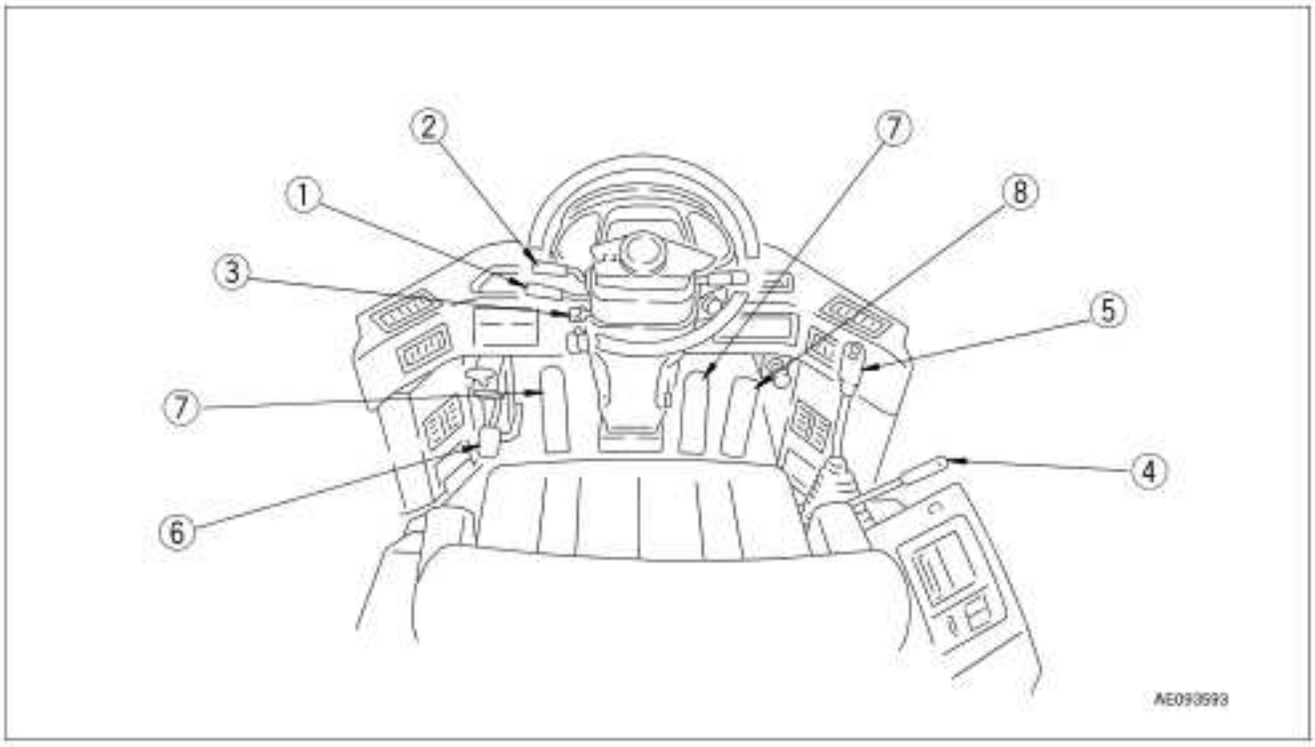
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11.3 CONTROL LEVERS, PEDALS



1. SPEED CONTROL LEVER

This lever controls the travel speed of machine.

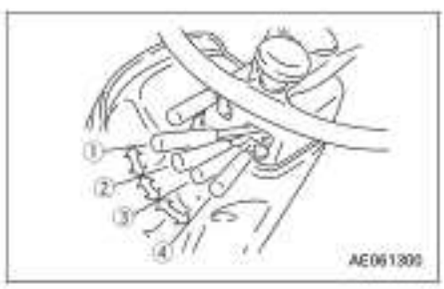
This machine has a 4-FORWARD, 4-REVERSE speed transmission.

Place the speed control lever in a suitable position to obtain the desired speed range.

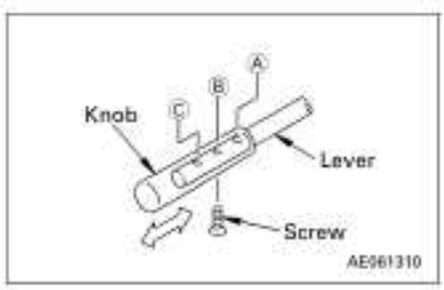
1st and 2nd speeds are used for working.

3rd and 4th speeds are used for traveling.

However, when the speed control lever stopper is being used, it is impossible to shift to 3rd or 4th. Disengage the speed control lever stopper before trying to shift gear.



Position ①: 1st
Position ②: 2nd
Position ③: 3rd
Position ④: 4th



REMARK

The length of the lever can be adjusted to 3 stages (positions Ⓐ, Ⓑ, Ⓒ). To adjust the length, remove the screw at the bottom of the lever knob, slide the knob to the desired position, then tighten the screw again.

(The lever is installed to position Ⓑ when it is shipped from the factory.)

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18.1.4 GREASE

- Grease is used to prevent twisting and noise at the joints.
- The nipples not included in the maintenance section are nipples for overhaul, so they do not need grease.
  If any part becomes stiff after being used for long time, add 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.

18.1.5 STORING OIL AND FUEL

- Keep indoors to prevent any water, dirt, or other impurities from getting in.
- When keeping drum cans for a long period, put the drum on its side so that the filler port of the drum can is at the side. (To prevent moisture from being sucked in)
  If drum cans have to be stored outside, cover them with a waterproof sheet or take other measures to protect them.
- To prevent any change in quality during long-term storage, be sure to use in the order of first in - first out (use the oldest oil or fuel first).

18.1.6 FILTERS

- Filters are extremely important safety parts. They prevent impurities in the fuel and air circuits from entering important equipment and causing problems.
  Replace all filters periodically. For details, see the Operation and Maintenance Manual.
  However, when working in severe conditions, it is necessary to consider replacing the filters at shorter intervals according to the oil and fuel (sulfur content) being used.
- Never try to clean the filters (cartridge type) and use them again. Always replace with new filters.
- When replacing oil filters, check if any metal particles are stuck to the old filter. If any metal particles are found, please contact your Komatsu distributor.
- Do not open packs of spare filters until just before they are to be used.
- Always use Komatsu genuine filters.

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25. SPECIFICATIONS

WA250-3

PERFORMANCE

• Bucket capacity (Heaped) (with bolt on cutting edge)			2.1 m^3 (2.7 cu.yd)
• Normal load			3360 kg (7410 lb)
• Travel speed	Forward	1st	7.8 km/h (4.8 MPH)
		2nd	12.0 km/h (7.5 MPH)
		3rd	21.2 km/h (13.2 MPH)
		4th	34.5 km/h (21.4 MPH)
	Reverse	1st	8.1 km/h (5.0 MPH)
		2nd	12.3 km/h (7.6 MPH)
		3rd	21.8 km/h (13.5 MPH)
		4th	35.0 km/h (21.7 MPH)
• Max. rimpull			93163 N (9500 kgf)
• Min. turning radius	Outside of chassis		5780 mm (18 ft 11 in)
	Center of outside tire		4950 mm (16 ft 3 in)

WEIGHT

• Operating weight (including 1 operator: 80 kg (176 lb)) (with bolt on cutting edge)	10480 kg (23110 lb)

ENGINE

• Model	Komatsu S6D102E-1 diesel engine
• Flywheel horsepower	96 kW (128 HP)/2400 rpm
• Max. torque	471 N·m (48 kgf·m)/1600 rpm
• Starting motor	24 V 4.5 kW
• Alternator	24 V 35 A
• Battery	12 V 110 Ah x 2 pieces (115E41L)

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