Operation & Maintenance Manual

VEAM280201

WA100M-5

WHEEL LOADER

SERIAL NUMBERS H50051 AND UP

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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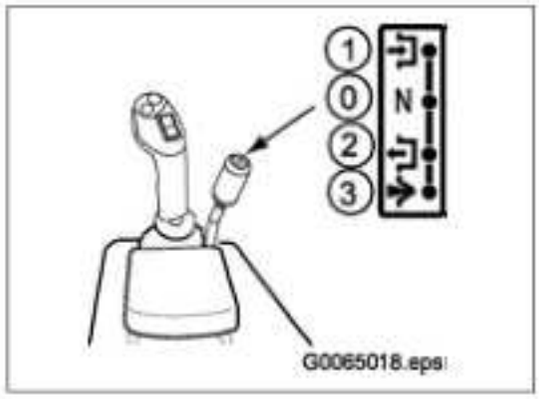
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Control lever for special equipment

The control lever for special equipment has three switch settings whose functions depend on the type of the used special equipment.

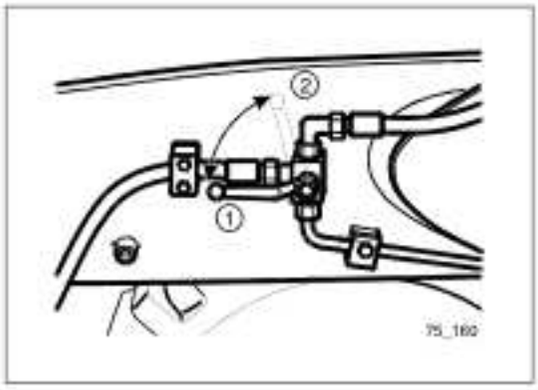


- If the standard bucket, the light-weight material bucket or the forklift truck attachment is attached to the quick-change unit, the control lever for special equipment provides the following functions:

Position 1 = Locking pins for work unit are drawn in

Position 0 = Neutral position (locking pins are drawn in; you can pick up the work unit in this position)

Position 2 = Locking pins for work unit are extended



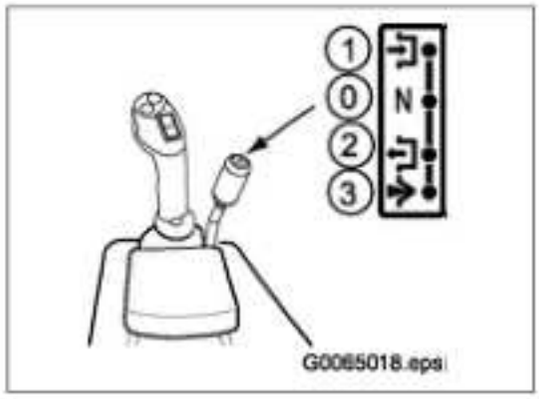
- If the multi-purpose bucket is attached to the quick-change unit, the control lever has the functional assignment described above. If the switching lever for the bucket is in position '1', the multi-purpose bucket is active. You can then operate the multi-purpose bucket via the control lever for special equipment.
  It then has the following functions:

Position 1 = Close multi-purpose bucket

Position 0 = Neutral position

Position 2 = Open multi-purpose bucket

- If you use attachments requiring a steady oil flow (e.g. brush, snow remover), the control lever has the following functions:



Position 1 = Work unit turns backwards

Position 0 = Neutral position

Position 2 = Work unit turns forward

Position 3 = Work unit turns forward in permanent operation (locks in

- For permanent operation, you must set the control lever to position '3'. The control lever locks in this position.

NOTE

Without connected special equipment, you must not set the control lever for special equipment to switch settings '1', '2' or '3'. If you do not heed this note, the work hydraulic system will operate in order to counteract overpressure thus unnecessarily heating up the oil.

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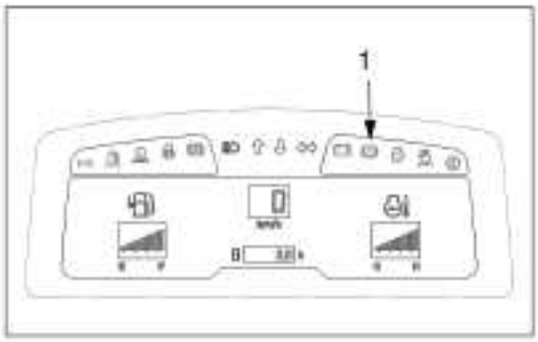
5.7.7. Maintenance every 250 operating hours

All maintenance operations to be performed after 10 and 50 hours of operation fall also into this maintenance category.

Service brake – Checking the brake pads

⚠ WARNING

- **Danger of accidents! If the oil level is too low, the service brake may break down!**
- **If the brake fluid supply control lamp (1) lights up, you must immediately stop and check the oil level.**



⚠ CAUTION

- **Danger of accidents! If you use usually available brake fluid for filling up, the operational efficiency of the brake system may be impaired!**
- **Use only the prescribed oil for filling up! Do not use brake fluid! Pay attention to utmost cleanness!**

Before you start maintenance work, park and secure the machine as described in the chapter "5.1. Maintenance guide" on page 5-2.

1. Check the brake discs and brake pads for wear and damage.

V-Belt, generator – checking and adjusting the tension

⚠ DANGER

- **There is danger of severe accidents, if you perform maintenance work at a machine that has not been parked and secured correctly!**
- **Park the machine on a solid, even surface and secure it, before you start to perform maintenance work.**
- **Danger of injuries! When the engine is in operation, there is danger of severe injuries by moving parts within the engine compartment! Do not work within the engine compartment, while the engine is in operation.**

1. Before you start maintenance work, park and secure the machine as described in the chapter "5.1. Maintenance guide" on page 5-2.
2. Press down the V-belt in the middle of the longest straight part. You should be able to press the V-belt down about 0.394 - 0.590 inch (10 - 15 mm).

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6.1. Technical data

WA100M-5

Performance		
Engine	Model	Komatsu S4D95LE-3
	Engine Output (ISO 9249)	61.5 kW (82.5 Hp)
	Torque, max. (ISO 9249)	291 Nm
	Starting motor	12 V - 2.2 kW
	Alternator	12 V - 60 A
	Battery	92 Ah
Driving Speed Standard type forwards and backwards	1st Drive range 2nd Drive range	0 - 3.1 mph (5 km/h) 0 - 12.43 mph (20 km/h
Driving Speed 30 km/h type forwards and backwards	1st Drive range 2nd Drive range	0 - 4.2 mph (6.8 km/h) 0 - 18.6 mph (30 km/h)
Tractive force, max.	12.43 mph (20 km/h) 18.6 mph (30 km/h)	53.96 kN 50.39 kN
Turning radius	Over bucket	14' 9" ft. in. (4,570 mm)
	Over tires	13' 4" ft. in. (4,080 mm)
Bucket, Standard		42W-70-22000 (42.38 cu ft / 1.2 m^3)

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