Operation & Maintenance Manual

VEAM430100

WA500-6H

WHEEL LOADER

SERIAL NUMBERS H60051 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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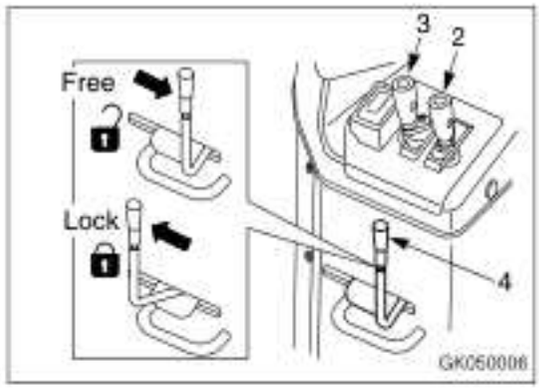
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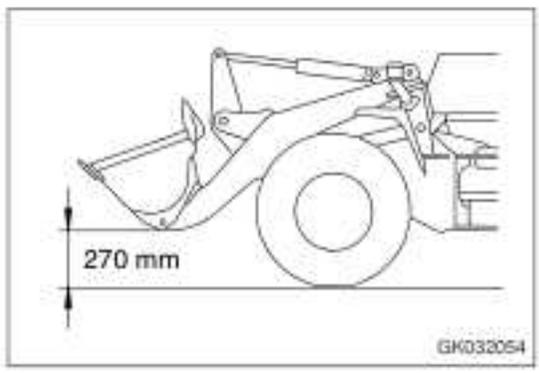
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2. Set work equipment lock lever (4) of bucket control lever (2) and lift arm control lever (3) to the Free position.



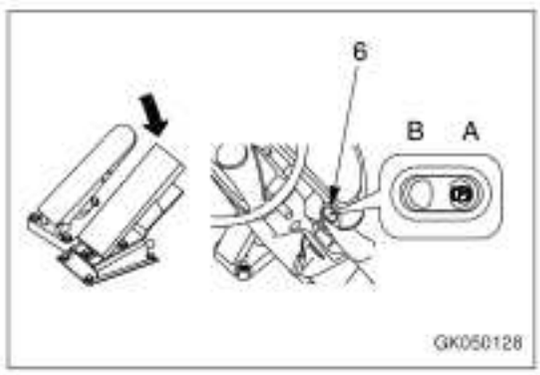
3. Operate lift arm control lever (3) to set the work equipment to the travel posture shown in the diagram on the right.



4. Depress right brake pedal (5) and turn parking brake switch (6) to the OFF position (B) to release the parking brake.

REMARK

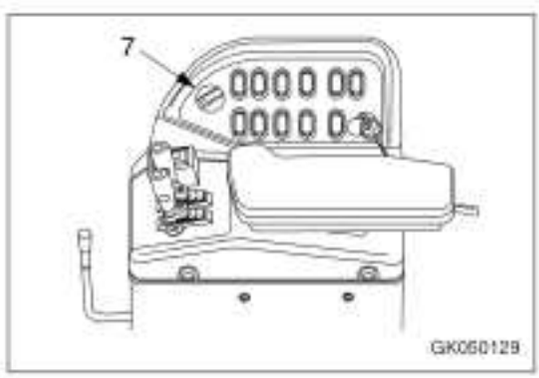
If the parking brake is still actuated when parking brake switch (6) is at the OFF position (B), turn the parking brake switch ON position (A), then turn it OFF position (B) again.



5. Set to the desired speed range position.

   Set the speed range position as follows.

   [A] Use transmission auto shift/manual shift selector switch (7) to select auto shift (L or H) or manual shift.



   - L or H position: Auto shift mode
     If the system is set to this position, the shift range is set to the last shift range used in the previous operation in auto shift mode.
     The speed range is displayed by the 1st, 2nd, 3rd, or 4th lamp at the bottom of the machine monitor.

   - MANUAL position: Manual shift mode
     If the system is switched from auto shift mode to manual mode, the shift range being used in auto shift mode is engaged in manual shift mode.

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4.9.2 Initial 250 hours service (only after the first 250 hours)

Carry out the following maintenance only after the first 250 hours.

Replace transmission oil filter element

For details, see "Replace transmission oil filter element (4-70)".

Replace hydraulic filter element

For details, see "Change oil in hydraulic tank, replace hydraulic filter element (4-76)"

4.9.3 When required

Check, clean, or replace air cleaner element

⚠ WARNING

- If inspection, cleaning, or maintenance is carried out with the engine running, dirt will get into the engine and damage it. Always stop the engine before carrying out these operations.
- When using compressed air, there is danger that dirt may be blown around and cause serious injury.
  Always use safety glasses, dust mask, and other protective equipment.

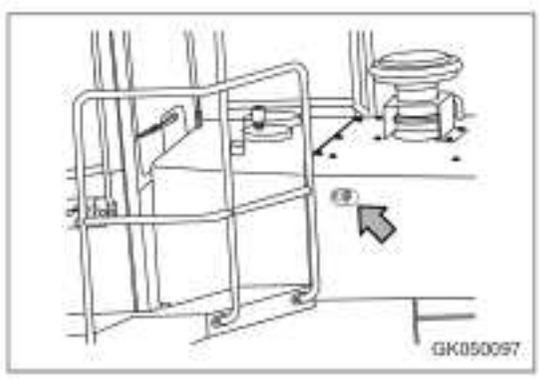
Checking

If air cleaner clogging caution lamp (1) on the machine monitor lights up, clean the air cleaner element.



NOTE
Do not clean the element until the air cleaner clogging caution lamp lights up.
If the element is cleaned frequently before the air cleaner clogging caution lamp lights up, the air cleaner will not be able to display its performance fully and the cleaning efficiency will drop.
In addition, the frequency of dirt stuck to the element falling inside the inner element will increase.

A dust indicator is installed inside the engine hood on the left side of the machine. The dust indicator shows the condition of clogging of the air cleaner in 5 stages. This makes it possible to check how clean the element is and when it should be replaced.

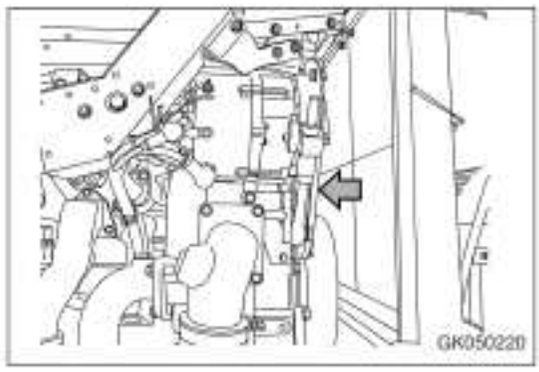


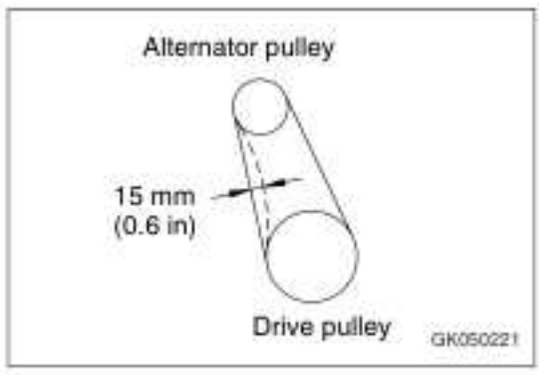
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Check alternator belt tension, adjust

Checking

The standard deflection for the drive belt is about 15 mm (0.6 in) when pressed by thumb 58.8 N (about 6 kgf, 43.4lb) at a point midway between the drive pulley and alternator pulley.

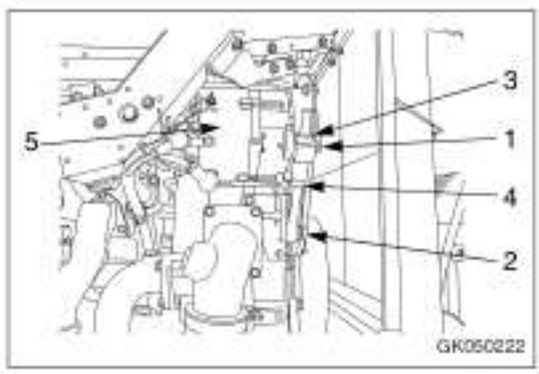




Adjusting

1. Loosen bolts (1), (2) and nut (3).
1. Turn nut (4) to the right to move alternator (5) and adjust so that the deflection of the belt is approx. 15 mm (0.6 in) {approx. 58.8 N {6 kgf)}.

   Tighten nut (4) to increase the tension of the belt; loosen nut (4) to reduce the tension of the belt.
2. Tighten bolts (1), (2) and nut (3) to secure alternator (5).
3. Check each pulley for damage, wear of the V-groove, and wear of the V-belt. Be particularly careful to check that the V-belt is not in contact with the bottom of the V-groove.
4. If the belt has elongated and there is no more allowance for adjustment, or if the belt is cut or cracked, replace the belt.
5. After replacing the belt, operate for one hour, then adjust again.



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