EEAM024501

# Operation & Maintenance Manual

# WA600-6

## WHEEL LOADER

SERIAL NUMBER
**WA600-6 - 60001 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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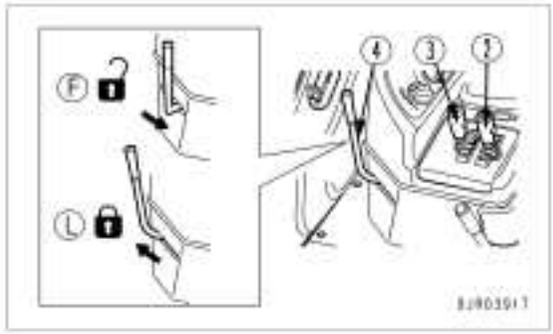
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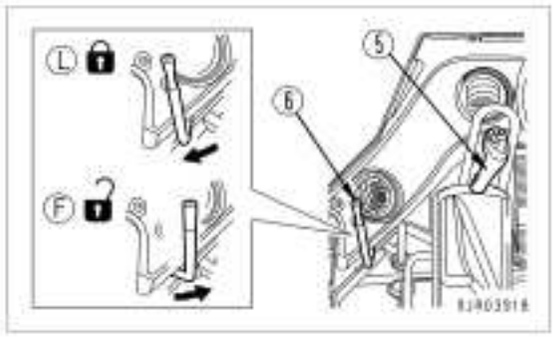


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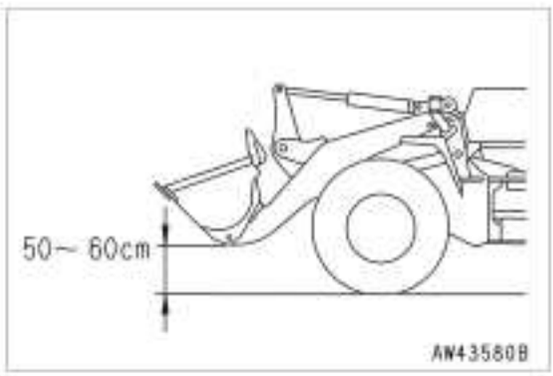
2. Set work equipment lock lever (4) (for bucket control lever (2) and lift arm control lever (3)) and steering lock lever (6) (for AJSS lever (5)) to FREE position (F).

**REMARK**
If the steering lock lever is not set to FREE position (F), the directional selector switch will remain at the N position even if the switch is operated.
In addition, the speed display on the front machine monitor will show N and will not change, so always set the steering lock lever to FREE position (F).




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 (8), then turn parking brake switch (7) to the OFF (RELEASE) position to release the parking brake.

**REMARK**
If the parking brake is still actuated when parking brake switch (7) is at the OFF (RELEASE) position, turn the parking brake switch ON, then turn it OFF again.



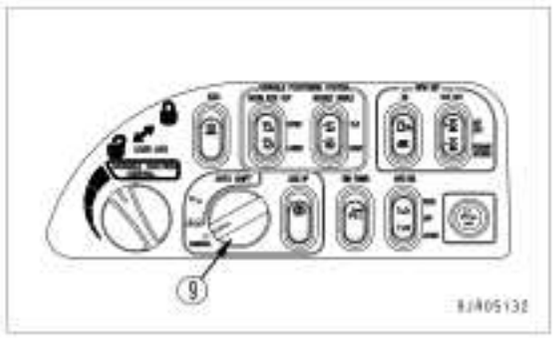

5. Set to the desired speed range position.

   Set the speed range position as follows.

   1) Use transmission auto shift/manual shift selector switch (9) to select auto shift (L or H) or manual shift.

   L or H position: Auto shift mode

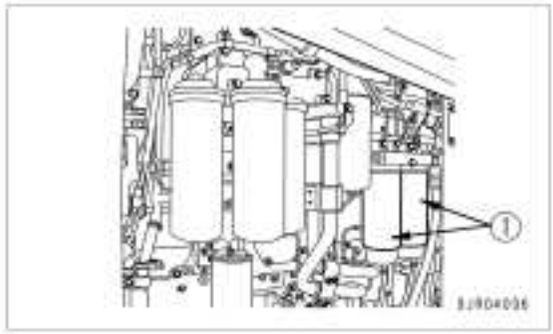
   If the system is set to this position, the shift range is set to the last shift range used in the previous operation in auto shift mode.





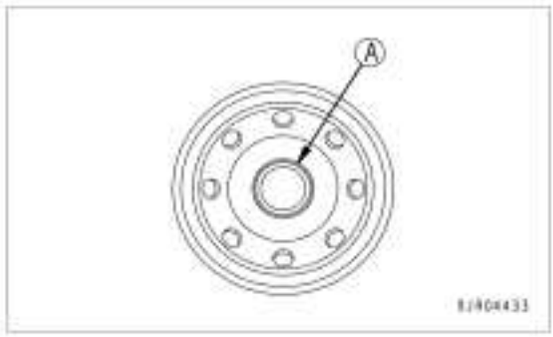

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1. Set the container to catch the fuel under the filter cartridge (1).
2. Remove transparent cup (2) from the filter and inspect it. If it is broken or damaged, replace it with a new part.
3. Using a filter wrench, turn filter cartridge (1) counterclockwise on remove it.




4. Clean transparent cup (2) and remove seal (3). Coat the new seal with clean fuel or oil.
5. Install transparent cup (2) to the new filter cartridge.

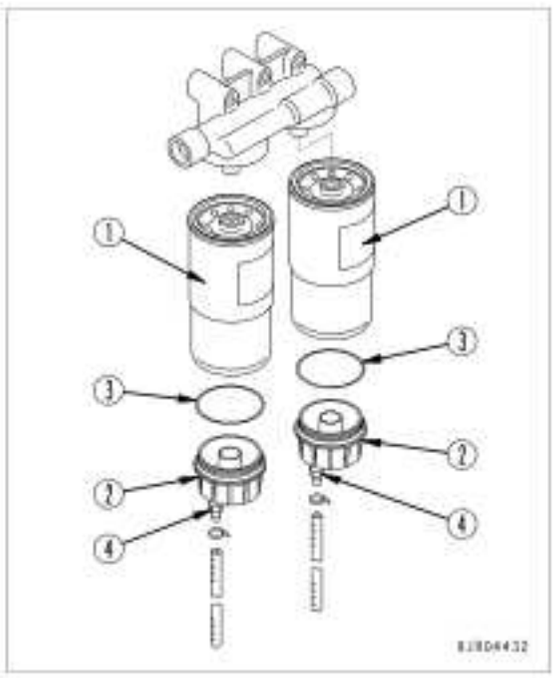
   Tightening torque for cup: 10 Nm (1.0 kgm)




**NOTICE**
**It is not necessary to fill the filter cartridge with oil.**
**Cap (A) is installed to prevent dirt from entering the inside of the filter cartridge.**

When replacing the filter cartridge, check that drain plug (4) at the bottom of transparent cup (2) is securely tightened.

(Tightening torque: 0.2-0.4 Nm (0.02 - 0.046 kgm)




6. Clean the filter holder.
7. Coat the packing surface of the filter cartridge with oil.
8. Remove filter cartridge cap (A) and install to the filter holder.
9. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it 3/4 of a turn.

   If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten the correct amount.



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# SPECIFICATIONS

Machine equipped with 6.4 m³ bucket

| | Item | | | Unit | WA600-6 | |
|---|---|---|---|---|---|---|
| | | | | | General spec. | EU spec. |
| | Operating weight (including 1 operator: 80 kg) | | | kg | 52700 | 52930 |
| | Normal load | | | kg | 11680 | |
| | Bucket capacity (with spade nose tooth) | | | $m^3$ | 6.4 | |
| | Engine model | | | - | Komatsu SAA6D170E-5 diesel engine | |
| | Engine horsepower | Economy mode | | kW (HP)/rpm | 382{513}/1700 | |
| | | Power mode | | kW (HP)/rpm | 393{527}/1800 | |
| A | Overall length (including teeth) | | | mm | 11985 | |
| B | Overall height | | | mm | 4460 | |
| C | Bucket overall height (When bucket lifted) | | | mm | 7925 | |
| D | Overall width | | | mm | 3540 | |
| E | Min. ground clearance | | | mm | 525 | |
| F | Bucket width | | | mm | 3910 | |
| G | Clearance | Tip of bucket [Tip of tooth] | | mm | 4270 [3995] | |
| H | Reach | Tip of bucket [Tip of tooth] | | mm | 1610 [1800] | |
| I | Dump angle | | | degrees | 45 | |
| | Min. turning radius | Outside of chassis | | mm | 8500 | |
| | | Center of outside tire | | mm | 7075 | |
| | Travel speed (Economy mode) [in lock-up] | Forward | 1st | km/h | 6.6 | |
| | | | 2nd | km/h | 11.5 [12.1] | |
| | | | 3rd | km/h | 19.4 [20.9] | |
| | | | 4th | km/h | 31.5 [35.5] | |
| | | Reverse | 1st | km/h | 7.3 | |
| | | | 2nd | km/h | 12.5 [12.8] | |
| | | | 3rd | km/h | 21.1 [22.5] | |
| | | | 4th | km/h | 34.0 [38.4] | |
| | Travel speed (Power mode) [in lock-up] | Forward | 1st | km/h | 6.7 | |
| | | | 2nd | km/h | 11.7 [12.4] | |
| | | | 3rd | km/h | 20.3 [21.7] | |
| | | | 4th | km/h | 33.8 [37.7] | |
| | | Reverse | 1st | km/h | 7.3 | |
| | | | 2nd | km/h | 12.8 [13.5] | |
| | | | 3rd | km/h | 22.0 [23.7] | |
| | | | 4th | km/h | 37.0 [41.0] | |



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