TEN00164-08

Operation & Maintenance Manual

DUMP TRUCK **HD785-7**

SERIAL NUMBERS 7001 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.

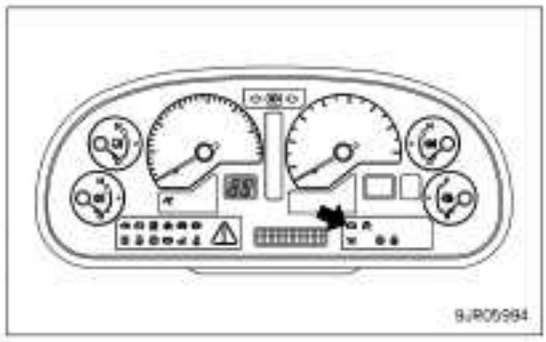
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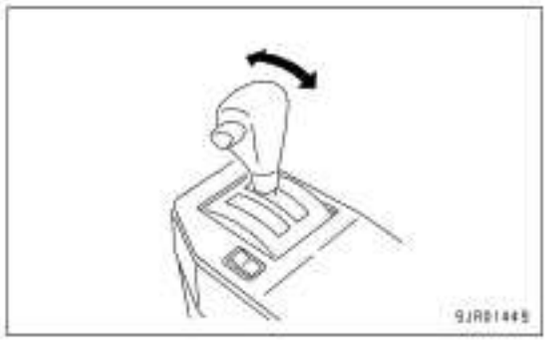
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5. Check that retarder pilot lamp (3) is not lighted up, then set gear shift lever (4) to the desired position.

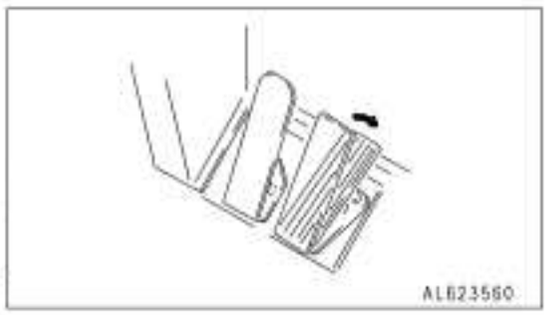


NOTICE

- When operating the shift lever, be sure to set it in position securely. If the lever is not placed in position properly, the shift position display on the panel may go out and the Transmission system caution lamp may light up.
- Always release the accelerator pedal before shifting from N to R or F.



6. Depress accelerator pedal (5) to move the machine off.



NOTICE

- If the shift lever is shifted to a position other than N when the parking brake has not been released, the central warning lamp will flash and the alarm buzzer will sound.
- If the shift lever is shifted to a position other than N when the dump lever is at a position other than FLOAT or the body is raised, the central warning lamp will flash and the alarm buzzer will sound.
- Do not operate the shift lever with the accelerator pedal depressed. The throttle is automatically throttled, but a big shock is generated, and will also reduce the service life of the machine.

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SERVICE PROCEDURE

INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS)

Perform the following maintenance only after the first 250 hours.

- Replace transmission oil filter element
- Change oil in transmission, brake cooling oil tank, wash strainer
- Replace transmission, brake cooling oil filter element
- Replace steering, hoist oil tank filter element
- Change oil in final drive case
- Change oil in differential case
- Change oil in steering, hoist oil tank

For details of the method of replacing or maintaining, see EVERY 500 HOURS, EVERY 1000 HOURS, EVERY 2000 HOURS SERVICE and EVERY 4000 HOURS SERVICE.

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CHECK BRAKING CAPACITY OF PARKING BRAKE

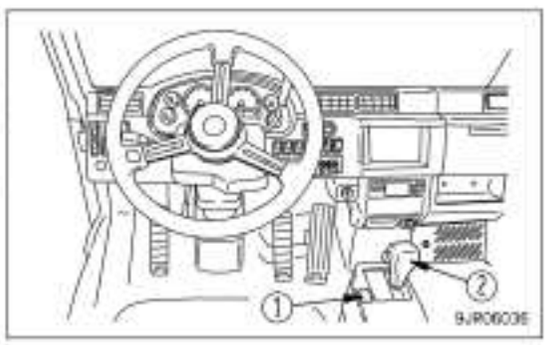
⚠ WARNING

When checking the braking capacity of the parking brake, there is danger that the machine may suddenly move and be damaged or cause serious personal injury. Always do the following.

- **Select a wide, flat area with sufficient distance to make it possible to stop the machine if it suddenly moves.**
- **If the machine suddenly moves when the braking capacity of the parking brake is being checked, reduce the engine speed immediately, move the gear shift lever to the N position, and depress the foot brake to stop the machine.**
- **If inspection is carried out when the dump body pilot lamp is lighted up and the shift indicator is at F1, there is danger of damage to the internal parts of the transmission.**
  When carrying out inspection, seat the dump body securely and check that the body pilot lamp has gone out. In addition, set the gear shift lever to the "D" position and check that the shift indicator shows F2.

Check the braking capacity of the parking brake as follows.

1. Stop the machine on flat ground and set parking brake switch (1) to PARKING.
2. Set shift lever (2) to the D position, gradually raise the engine speed. If the machine does not move even when the engine speed reaches 1610 rpm, it is normal.
3. Lower the engine speed, set gear shift lever at N position. If any problem is found, ask your Komatsu distributor for repair.



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