TEN00749-01

Operation & Maintenance Manual

DUMP TRUCK

HD325-7
HD405-7

SERIAL NUMBERS HD325-8016 and up
HD405-8016

ecot3

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.

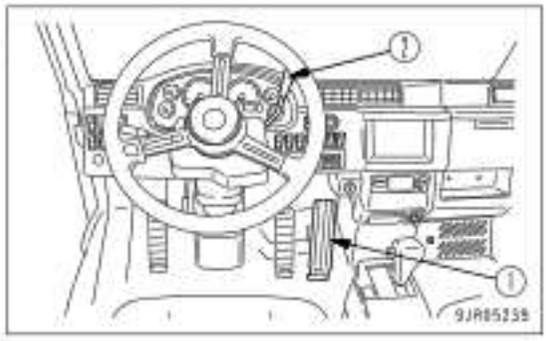
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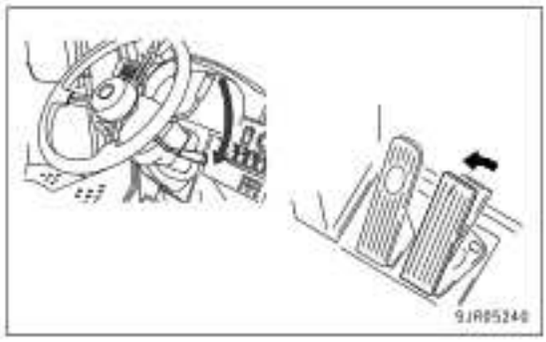
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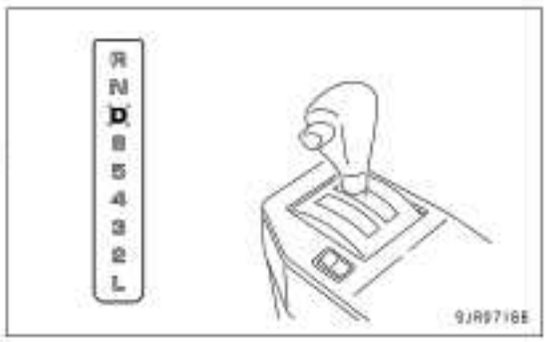
1. Before starting to travel downhill, release accelerator pedal (1) and operate retarder control lever (2) to slow the machine down.



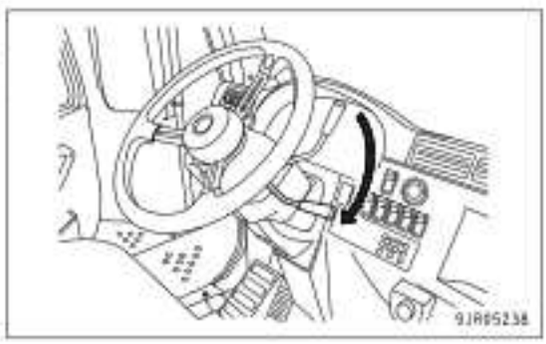


2. Leave the gear shift lever in position D.
When the machine reduces speed, the transmission will automatically shift down to the appropriate gear range.

If the condition of the road makes it necessary to travel downhill in 1st, set the gear shift lever to any position except D (6, 5, 4, 3, 2, L).



3. When traveling downhill, operate retarder control lever (2), run the engine at a speed of 1800 to 2200 rpm, and travel so that the retarder brake oil temperature gauge is in the white range.



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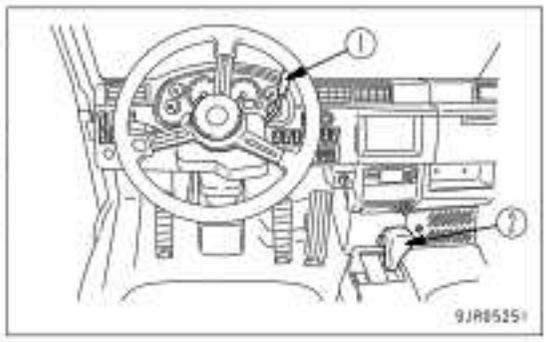
CHECK BRAKING CAPACITY OF RETARDER BRAKE

⚠ WARNING

- If the machine moves, it will lead to serious injury or death. If machine begins to move during the inspection of braking capacity, lower the engine speed immediately, set gear shift lever at N position, and then depress the foot brake.
- If inspection is carried out when the body pilot lamp is lighted up and the shift indicator shows "F1", there is danger that the internal parts of the transmission may be damaged.
  Before carrying out inspection, lower the dump body securely and check that the body pilot lamp has gone out, then place the gear shift lever at "D" position and check that the shift indicator shows "F2".

Check the braking capacity of the retarder brake as follows.

1. Stop the machine on flat ground and pull retarder control lever (1) fully.
2. Set shift lever (2) to D position, gradually raise the engine speed. If the machine does not move even when the engine speed reaches 1200 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.



NOTICE

If the dump body is not seated and the parking brake is at "TRAVEL", the speed range is set to F1, even when the gear shift lever is at "D" position.

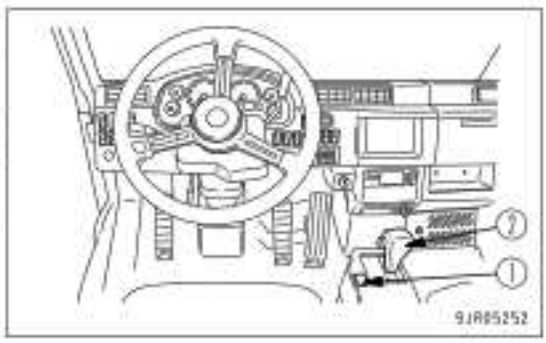
CHECK BRAKING CAPACITY OF PARKING BRAKE

⚠ WARNING

- If the machine moves, it will lead to serious injury or death. If machine begins to move during the inspection of braking capacity, lower the engine speed immediately, set gear shift lever at N position, and then depress the foot brake.
- If inspection is carried out when the body pilot lamp is lighted up and the shift indicator shows "F1", there is danger that the internal parts of the transmission may be damaged.
  Before carrying out inspection, lower the dump body securely and check that the body pilot lamp has gone out, then place the gear shift lever at "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 D position, gradually raise the engine speed. If the machine does not move even when the engine speed reaches 1600 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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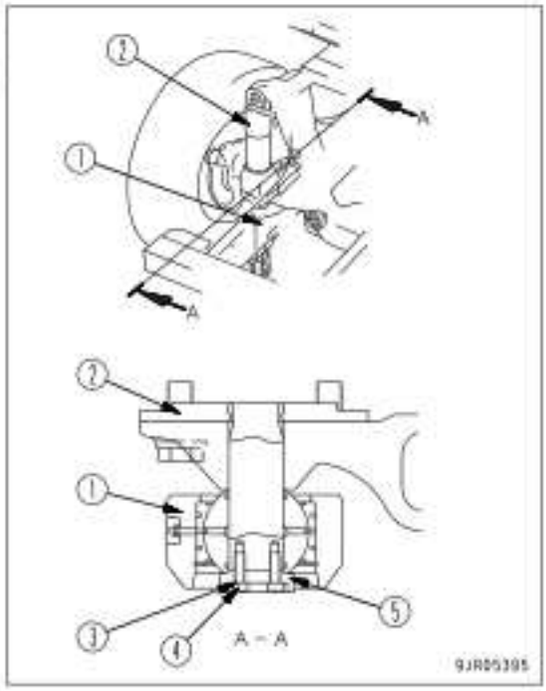
EVERY 15000 HOURS SERVICE

Carry out maintenance for EVERY 250 HOURS, EVERY 500 HOURS and EVERY 1000 HOURS SERVICE at the same time.

CHECK, REPLACE STEERING A ARM MOUNTING BOLT

Check and replace the A arm mounting bolts, lock plate, and holder.

Please consult your Komatsu distributor when checking and replacing.



(1) A arm
(2) Front suspension
(3) Lock plate
(4) Bolt
(5) Holder

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