TEN00348-02

Operation & Maintenance Manual

DUMP TRUCK

HD325-7
HD405-7

SERIAL NUMBERS HD325-7582 and up
HD405-7582

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.

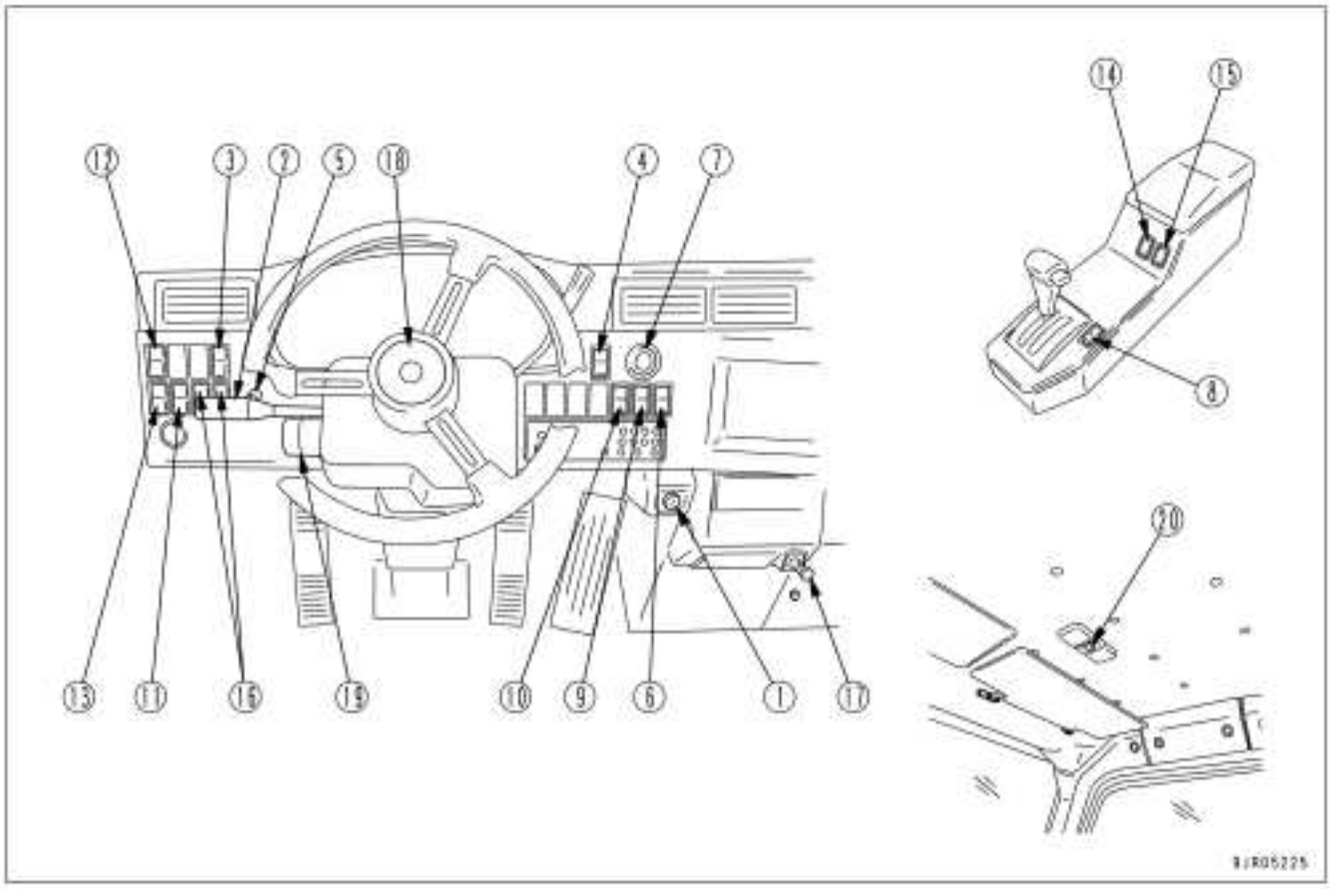
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SWITCHES



(1) Starting switch
(2) Lamp switch
Turn signal lever
Dimmer switch
(3) Machine monitor bulb check switch
(4) Hazard lamp switch
(5) Night lighting dimmer switch
(6) Power mode selector switch
(7) Emergency steering switch
(8) Parking brake switch
(9) AISS LOW switch
(10) Front brake cut-off switch
(11) Fog lamp switch (if equipped)
(12) Side lamp switch (if equipped)
(13) Yellow rotating lamp switch (if equipped)
(14) Power window switch (right) (if equipped)
(15) Power window switch (left)
(16) Machine monitor mode selector switch 1, 2
(17) Cigarette lighter
(18) Horn button
(19) Wiper, window washer switch
(20) Room lamp switch

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CHECK OF INFLATION PRESSURE OF TIRES AND INFLATION OF THEM

⚠ WARNING

- When inflating the tire, check that no one can enter the area around the tire, and always use an air chuck with a clip that can be fixed to the air valve.
- While inflating the tire, check the inflation pressure occasionally so that it will not rise too high.
- If the rim is not fitted normally, it may be broken and scattered while the tire is inflated. Accordingly, place a guard around the tire and do not work in front of the rim but work on the tread side of the tire.
- Abnormal drop of inflation pressure and abnormal fitting of the rim indicate a trouble in the tire or rim. In this case, be sure to ask a tire repair shop for repair.
- Be sure to observe the specified inflation pressure.
- Do not adjust the inflation pressure of the tires just after high-speed travel or heavy-load work.



Check

Measure the inflation pressure with a tire pressure gauge, while the tires are cool, before starting work.

Inflation of tires

Adjust the inflation pressure properly.

When inflating a tire, use an air chuck which can be fixed to the air valve of the tire as shown in the figure. Do not work in front of the rim but work on the tread side of the tire.

The proper inflation pressure is shown below.

- HD325

Tire size	Inflation pressure
18.00-33-32PR (standard)	0.56MPa {5.75kg/cm^2, 81.7 PSI}
18.00R33 ★ ★ (if equipped)	0.69MPa {7.00kg/cm^2, 99.4 PSI}

- HD405

Tire size	Inflation pressure
18.00R33 ★ ★	0.69MPa {7.00kg/cm^2, 99.4 PSI}

NOTICE

If the tires are used when the inflation pressure is less than the value given in the table above, the rim may be damaged. Always keep the tire inflation pressure within +0 to +0.03 MPa {0.3 kg/cm^2, 4.3 PSI} of the value in the table above.

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EVERY 500 HOURS SERVICE

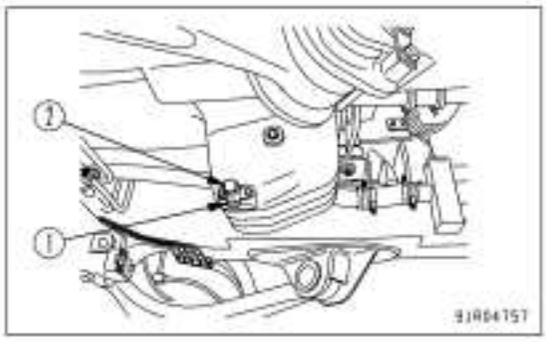
Maintenance for every 250 hours service should be carried out at the same time.

CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

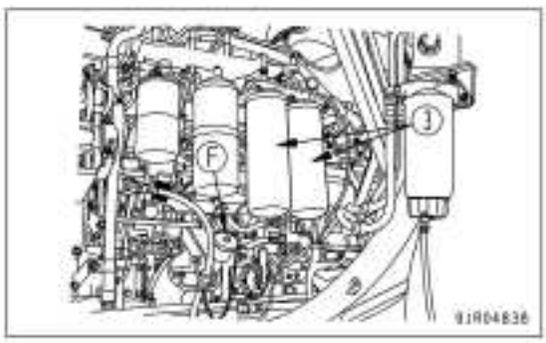
⚠ WARNING

- **The parts and oil are at high temperature after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**

- Refill capacity: 38 liters (10.04 US gal)
- Prepare a filter wrench



1. Remove drain plug (1), then install the standard drain hose.
2. Set a container in position to catch the oil, then loosen drain the valve (2) slowly to avoid getting oil on yourself, and drain the oil. Be careful not to loosen drain valve (2) too much. This will deform the stopper pin inside the valve.
3. Check the drained oil, and if there are excessive metal particles or foreign material, please contact your Komatsu distributor.
4. Remove the drain hose, then tighten drain valve (2) and drain plug (1).
   Tightening torque
   Drain plug (1), drain valve (2): 68.6 ± 9.8Nm
   (7 ± 1 kgm, 50.6 ± 7.2 lbft)



5. Using the filter wrench, turn filter cartridge (3) to the left and remove it. When doing this, do not carry out the operation from immediately below and be careful not to get oil over yourself. In particular, immediately after the engine is stopped, a large amount of oil may come out, so wait for about 10 minutes before starting the operation.
6. Clean the filter holder, fill the new filter cartridge with oil, then coat the seal and thread of the filter cartridge with oil (or coat thinly with grease) and install.
7. When installing the filter cartridge, tighten until the packing face is in contact with the filter holder, then tighten a further 3/4 - 1 turn.
8. Pour in the specified amount of engine oil from oil filler (F).
9. Run the engine for a short time at idle, then check the oil if it is filled up to a specified level. For details, see "CHECK OIL LEVEL IN ENGINE OIL PAN, ADD OIL (PAGE 3-73)".

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