TEN00331-00

Operation & Maintenance Manual

DUMP TRUCK

HD325-7
HD405-7

SERIAL NUMBERS HD325-7569 and up
HD405-7569

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.

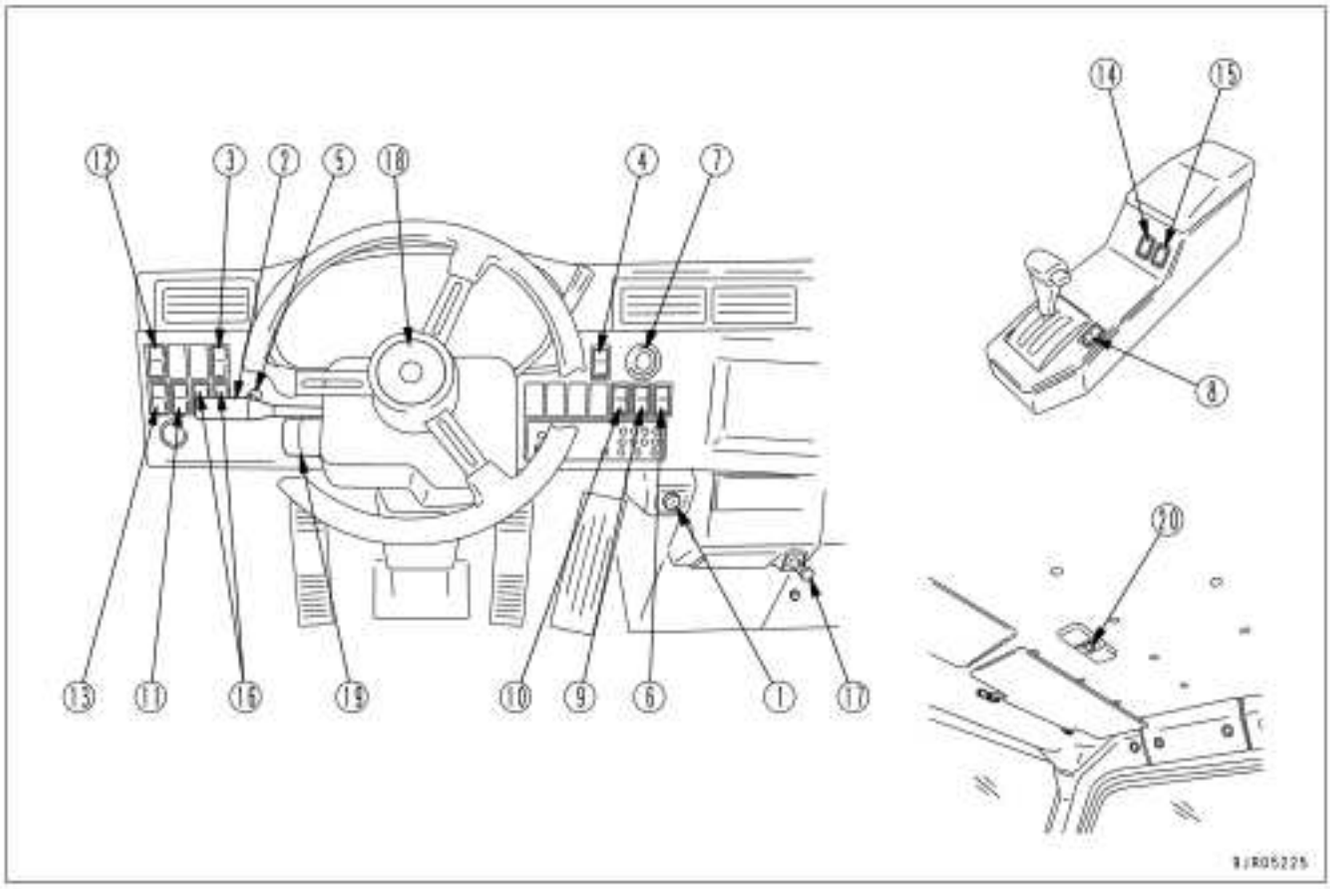
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SWITCHES



(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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METHOD OF CALCULATING WORK T.Km.P.H.

Work T.Km.P.H. = average load per tire x average travel speed for one day
Average travel speed = round trip distance x number of round trips per day/total operating hours per day
Average load = (load when empty + load when loaded) /2

The total operating hours per day includes the stopping time and rest periods.

* The T.Km.P.H. in the table may differ slightly according to the tire maker, so concerning operations which require travel near the travel speed given in the table, consult your Komatsu distributor.

PRECAUTIONS FOR LONG DISTANCE TRAVEL

If the machine travels continuously at high speed for a long distance, there will be a marked increase in the generation of heat in the tire. This may cause premature damage to the tire, so be careful of the following points.

- Travel only when empty.
- Check the tire inflation pressure before starting for the day when the tires are cold, and adjust to the following inflation pressure.
- Do not reduce the tire inflation pressure when traveling.

- 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.

- The maximum travel speed must be kept to less than 40 km/h (24.9 MPH). Stop for at least one hour for every one hour of travel to allow the tires and other components to cool down.
- Never travel with water or dry ballast in the tires.

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EVERY 2000 HOURS SERVICE

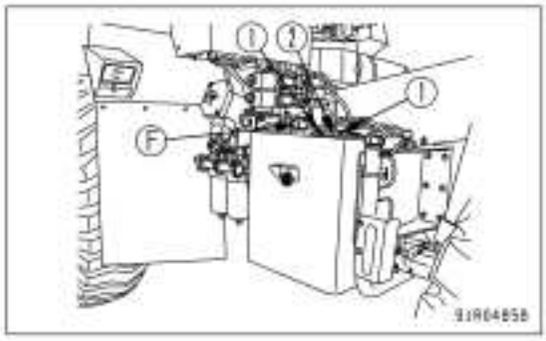
Carry out maintenance for EVERY 250 HOURS, EVERY 500 HOURS and EVERY 1000 HOURS SERVICE at the same time.

REPLACE STEERING, HOIST OIL TANK FILTER ELEMENT

⚠ WARNING

- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

1. Turn the cap of oil filler (F) slowly to release the internal pressure, then remove the cap.
2. Remove bolt (1), then remove cover (2).
3. Take out the element, then wash the inside of the case and the removed parts.
4. Install the new element, then install cover (2) with bolt (1).



If the filter Maintenance caution lamp (if equipped) lights up when the engine water temperature gauge is in the white range and the engine is running at 1200 to 2100 rpm, replace the element immediately.

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