TEN00370-03

Operation & Maintenance Manual

DUMP TRUCK

HD465-7E0
HD605-7E0

SERIAL NUMBERS HD465-10718 and up
HD605-10718

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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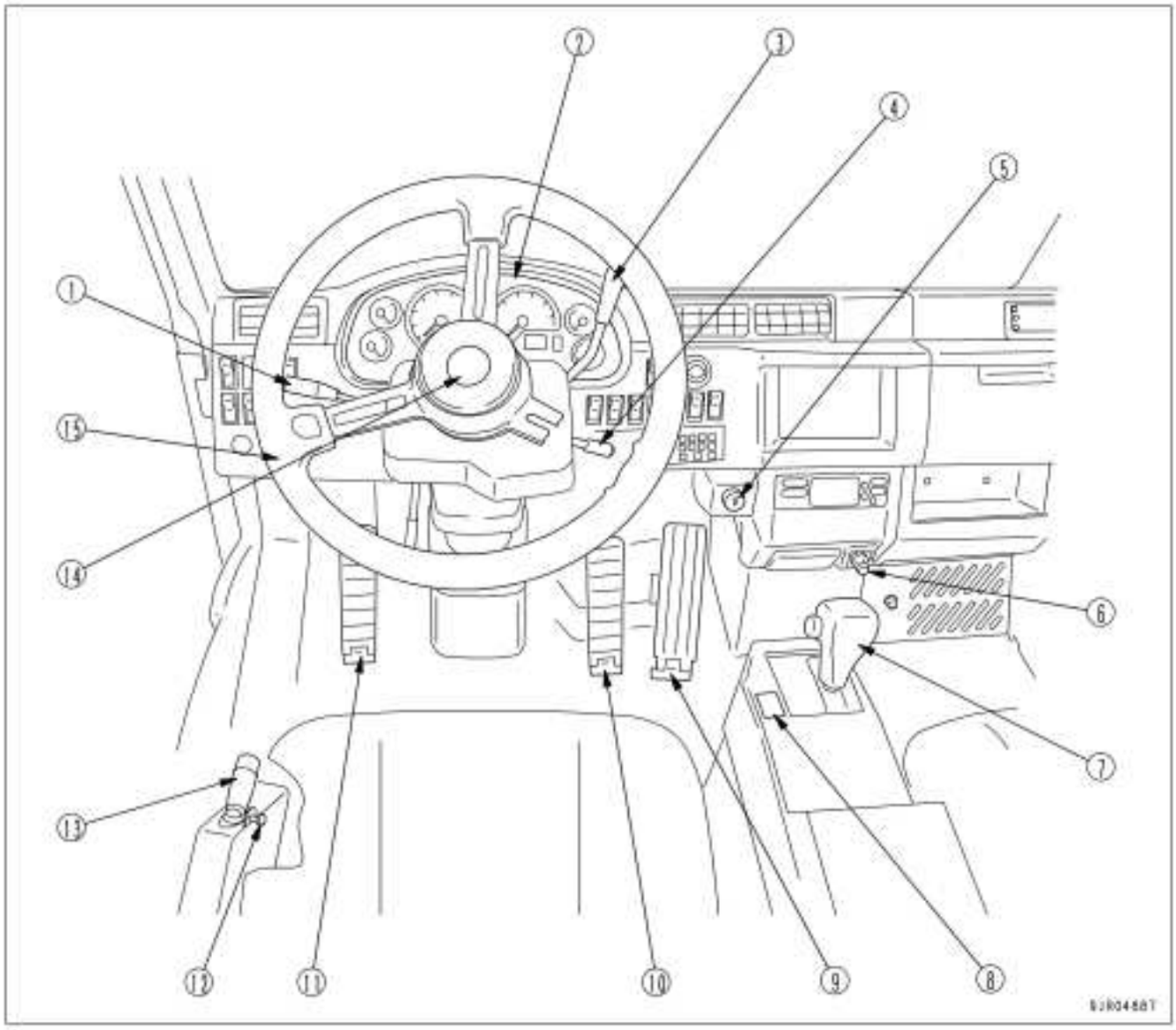
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GENERAL VIEW OF CONTROLS AND GAUGES



(1) Lamp switch,Turn signal switch,Dimmer switch
(2) Machine monitor
(3) Retarder control lever
(4) Auto retarder (ARSC) set lever
(5) Starting switch
(6) Cigarette lighter
(7) Shift lever
(8) Parking brake switch
(9) Accelerator pedal
(10) Brake pedal
(11) Secondary brake pedal
(12) Dump lever lock knob
(13) Dump lever
(14) Horn button
(15) Steering wheel

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CHECK BRAKING CAPACITY OF FOOT BRAKE

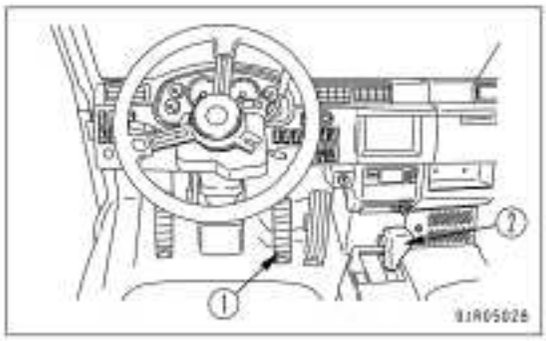
⚠ WARNING

When checking the braking capacity of the foot 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 foot brake is being checked, reduce the engine speed immediately, move the gear shift lever to the N position, and set the parking brake to the PARKING position 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 foot brake as follows.

1. Stop the machine on flat ground and depress service brake (1).
2. Set shift lever (2) to the D position, gradually raise the engine speed, and check that the machine does not move even when the engine speed reaches 1870rpm. If the machine does not move, it is normal.
3. Lower the engine speed, set gear shift lever at N position, and then set parking brake valve lever at PARKING position. If any problem is found, ask 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 the "D" position.

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EVERY 2000 HOURS SERVICE

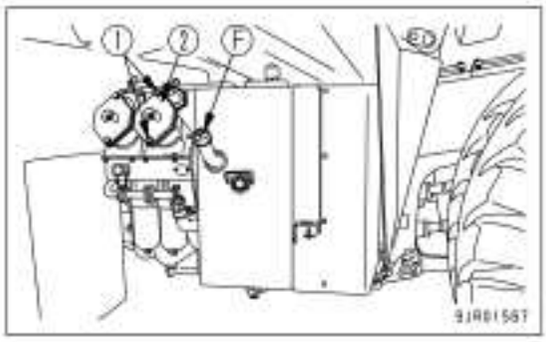
Carry out maintenance for EVERY 250 HOURS, EVERY 500 HOURS and EVERY 1000 HOURS SERVICE at the same time.

REPLACE STEERING, HOIST OIL TANK FILTER ELEMENT

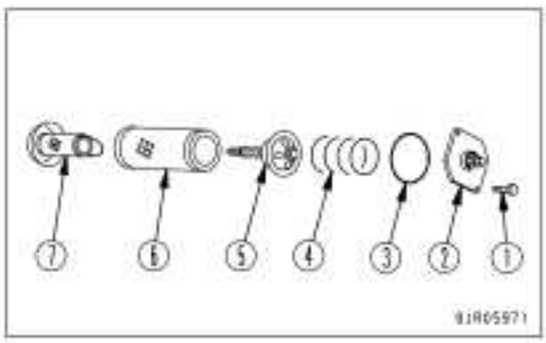
⚠ WARNING

- **Immediately after the engine is stopped, the parts and oil are at high temperature, and there is danger that this may cause burns during the oil level check operation. Wait for the temperature to go down before starting the operation.**
- **When loosening the cap, do not loosen it suddenly. Loosen it gradually. The inside of the case is under high pressure, so if the cap is loosened suddenly, oil may spurt out and cause burns.**

1. Stop the engine.
2. Turn the cap of oil filler (F) slowly to release the internal pressure, then remove the cap.
3. Remove bolt (1), then remove cover (2).



4. Remove O-ring (3), spring (4), valve (5), element (6), and the strainer (7), then wash the inside of the case and of the valve and strainer.
5. Prepare a new element, then install the strainer, element, valve, and spring.
6. Coat the O-ring thinly with clean oil, then install it.
7. Install cover (2) with bolts (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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