TEN00271-03

Operation & Maintenance Manual

DUMP TRUCK

HD465-7
HD605-7

SERIAL NUMBERS HD465-7001 and up
HD605-7257

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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METHOD OF OPERATION

Switch / Condition of use		Fan switch	Air conditioner switch	Temperature control switch	RECIRC/FRESH selector switch	Mode selector switch
Cooling	Rapid	HI	ON	All green	RECIRC	FACE
	Normal	HI - LO	ON	More than half are green	FRESH	FACE
Dehumidifying, heating		HI - LO	ON	More than half are red	FRESH	FOOT
Heating	Rapid	HI	OFF	All red	RECIRC	FOOT
	Normal	HI - LO	OFF	More than half are red	FRESH	FOOT
Defroster		HI	ON	More than half are red	FRESH	DEF
Ventilation or pressurizing		HI - LO	OFF	All green	FRESH	FACE

When carrying out the defrosting, if the temperature control switch is set so that all lamps are red, this will improve the performance for defrosting and demisting.
With the FACE vents, it is possible to adjust the direction of the air flow and to turn it on or off.
However, do not set to the FACE mode with the vents closed.

- WHEN NOT USING THE AIR CONDITIONER REGURARLY
  To lubricate each part of the compressor, operate cooling, dehumidifying and heating for 3 to 5 minutes once a month at low idle. Also, check the amount of cooling gas twice a year.

REMARK
If the temperature inside the cab is low, the air conditioner may not work. In such cases, use the recirculated air to warm up the inside of the cab, then turn the air conditioner switch on. The air conditioner will be run.

PRECAUTIONS WHEN USING AIR CONDITIONER

Carry out ventilation from time to time when using the cooling.
- If you smoke when using the air conditioner in the RECIRC mode, your eyes may start to itch or burn. Ventilate the cab ever so often to remove the smoke.
- When using the air conditioner for a long period of time, carry out ventilation process at least once every hour.

Be careful not to cool the cab too much.
When using the air conditioner, it is recommended for health reasons, that it should only feel slightly cooler (5 or 6 °C (9 or 10.8°F) lower than the outside temperature) when you enter the cab.
Therefore, adjust the temperature to a suitable level.

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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.

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Tire size	Inflation pressure
24.00-35-36PR (standard)	0.47 MPa (4.75 kg/cm^2, 67.4 PSI)
24.00R35★★ (if equipped)	0.69 MPa (7.00 kg/cm^2, 99.4 PSI)

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Tire size	Inflation pressure
24.00R35★★ (standard)	0.69 MPa (7.00 kg/cm^2, 99.4 PSI)
24.00-35-48PR (if equipped)	0.64 MPa (6.50 kg/cm^2, 92.3 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

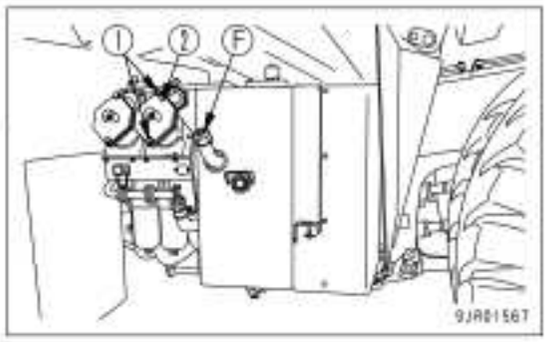
Carry out maintenance for EVERY 250 HOURS, EVERY 500 HOURS and EVERY 1000 HOURS SERVICE at the same time.

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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