TEN00692-01

Operation & Maintenance Manual

DUMP TRUCK

HD325-7
HD405-7

SERIAL NUMBERS HD325-7967 and up
HD405-7967

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.

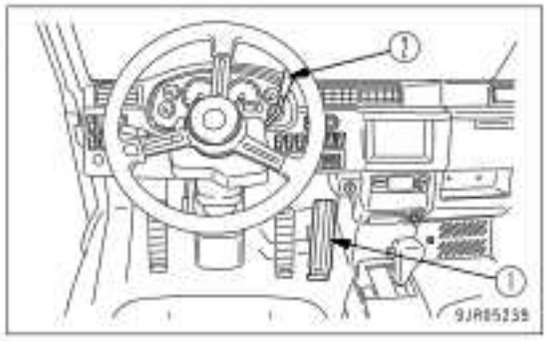
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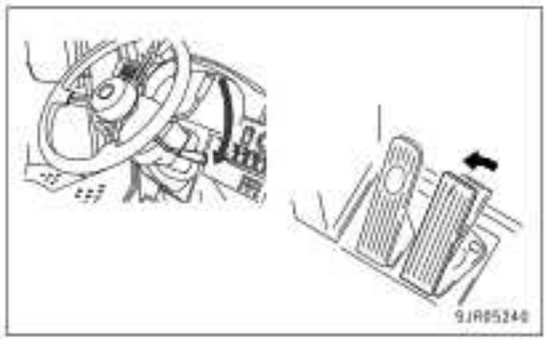
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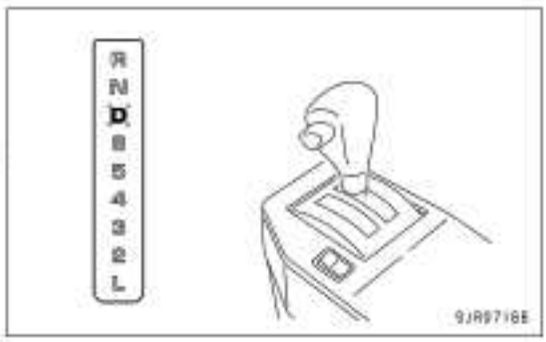
1. Before starting to travel downhill, release accelerator pedal (1) and operate retarder control lever (2) to slow the machine down.



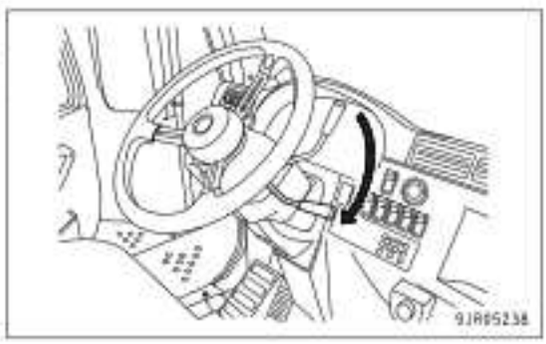


2. Leave the gear shift lever in position D.
When the machine reduces speed, the transmission will automatically shift down to the appropriate gear range.

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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EVERY 1000 HOURS SERVICE

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

REPLACE FUEL MAIN FILTER CARTRIDGE

⚠ WARNING

- **Immediately after the engine is stopped, all parts are still very hot. Accordingly, wait until they have cooled down before replacing the filter.**
- **High pressure is generated inside the engine fuel piping system when the engine is running.**
  When replacing the filter, wait for at least 30 seconds after stopping the engine to let the internal pressure go down before replacing the filter.
- **Do not bring any open flame close.**

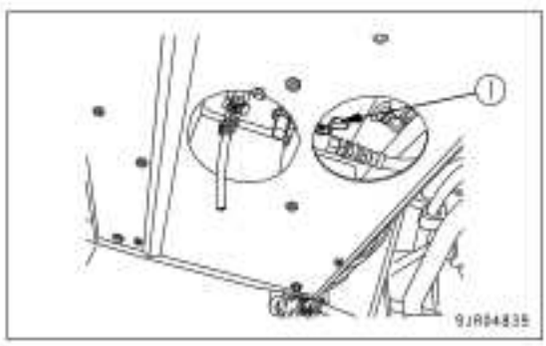
NOTICE

- **Genuine Komatsu fuel filter cartridges use a special filter that has highly efficient filtering ability. When replacing the filter cartridge, always use a genuine Komatsu part.**
- **The common rail fuel injection system used on this machine consists of more precise parts than the conventional injection pump and nozzle.**
  If any part other than a genuine Komatsu filter cartridge is used, dust or dirt may get in and cause problems with the injection system. Always avoid using substitute parts.
- **When performing inspection or maintenance of the fuel system, pay more attention than normal to the entry of dirt. If dirt is stuck to any part, use fuel to wash it off completely.**

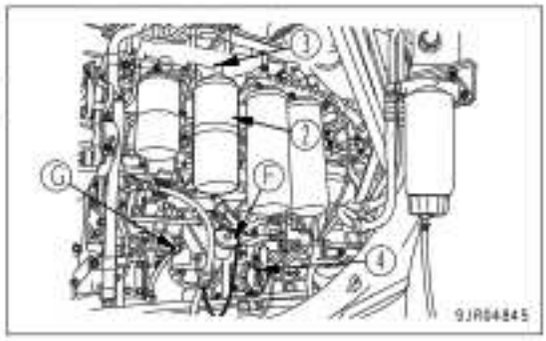
- Container to catch the fuel
- Prepare a filter wrench

After replacing the fuel prefilter cartridge, replace the fuel main filter cartridge.

1. Close supply valve (1) of the fuel tank.
2. Center a container to catch the fuel under the filter cartridge.



3. By using a filter wrench, turn filter cartridge (2) counterclockwise to remove it.
4. Clean the filter head, coat the packing surface of the new filter cartridge thinly with oil, then install the filter cartridge to the filter head.



NOTICE

Do not add fuel to fuel main filter cartridge (2).

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SPECIFICATIONS

	Item			Unit	HD325-7	HD405-7
	Overall weight (unladen weight + max. payload + 1 operator (75kg (165 lb))			kg (lb)	63,675 (140,403)	74,475 (164,217)
	Unladen weight			kg (lb)	31,600 (69,678)	34,400 (75,852)
	Max. payload			kg (lb)	32,000 (70,560)	40,000 (88,200)
	Dump body capacity	Struck		m^3 (cu.yd)	18 (23.5)	20 (26.2)
		Heaped (2 : 1)		m^3 (cu.yd)	24 (31.4)	27.3 (35.7)
	Dumping speed (at 2100 rpm) (raised)			sec	10	
	Engine type			-	Komatsu SAA6D140E-5 diesel engine	
	Engine rated horsepower	Net (ISO 9249 / SAE J1349)		kW (HP)/rpm	371 (498)/2,000	
		Gross (SAE J1955)		kW (HP)/rpm	386 (518)/2,000	
	Max. torque			Nm (kgm, lbft)/rpm	2,170 (221, 1,598.5)/1,400	
A	Overall length			mm (ft in)	8,465 (27' 9")	
B	Overall height			mm (ft in)	4,000 (13' 1")	
C	Overall height at dumping			mm (ft in)	7,930 (26')	
D	Overall width			mm (ft in)	3,660 (12')	
E	Min. ground clearance (bottom of rear axle)			mm (ft in)	500 (1' 8")	
	Min. turning radius			mm (ft in)	7,200 (23' 7")	
	Travel speed	Forward	1st	km/h (MPH)	10.3 (6.4)	10.3 (6.4)
			2nd	km/h (MPH)	15.8 (9.8)	15.8 (9.8)
			3rd	km/h (MPH)	21.3 (13.2)	21.2 (13.2)
			4th	km/h (MPH)	28.7 (17.8)	28.7 (17.8)
			5th	km/h (MPH)	38.5 (23.9)	38.4 (23.9)
			6th	km/h (MPH)	52.4 (32.6)	51.2 (31.8)
			7th	km/h (MPH)	70.0 (43.5)	70.0 (43.5)
		Reverse	1st	km/h (MPH)	10.6 (6.6)	10.6 (6.6)
	Temperature range when using			°C (°F)	-20 to 45 (-4 to 113)	

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