TEN00349-00

Operation & Maintenance Manual

ARTICULATED
DUMP TRUCK

HM350-2

SERIAL NUMBERS 2219 and up

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.

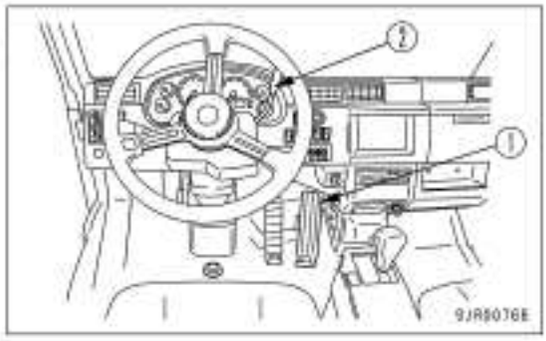
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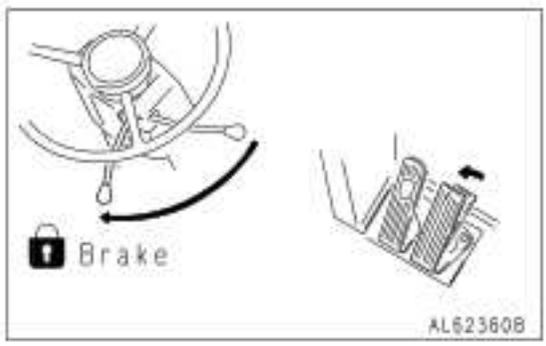
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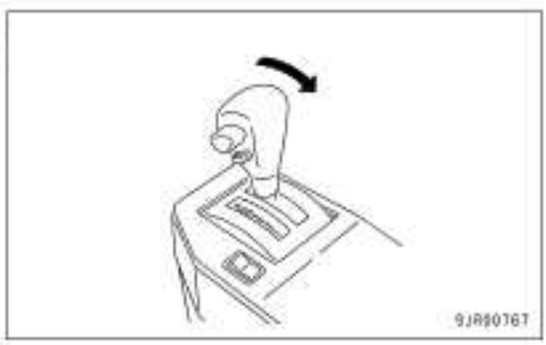
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1. Before starting to travel downhill, release accelerator pedal (1) and operate retarder control lever (2) to slow the machine down.

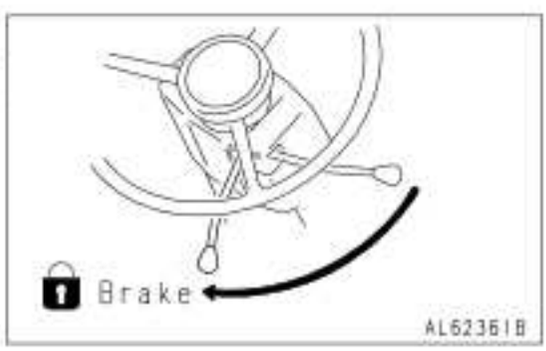




2. Move the gear shift lever to a position (5, 4, 3, 2) that matches the maximum permissible speed for the retarder brake performance.



3. When traveling downhill, operate retarder control lever (2), run the engine at a speed of at least 1800 rpm, and travel so that the retarder brake oil temperature gauge is in the white range.



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SERVICE PROCEDURE

INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS)

Perform the following maintenance only after the first 250 hours.

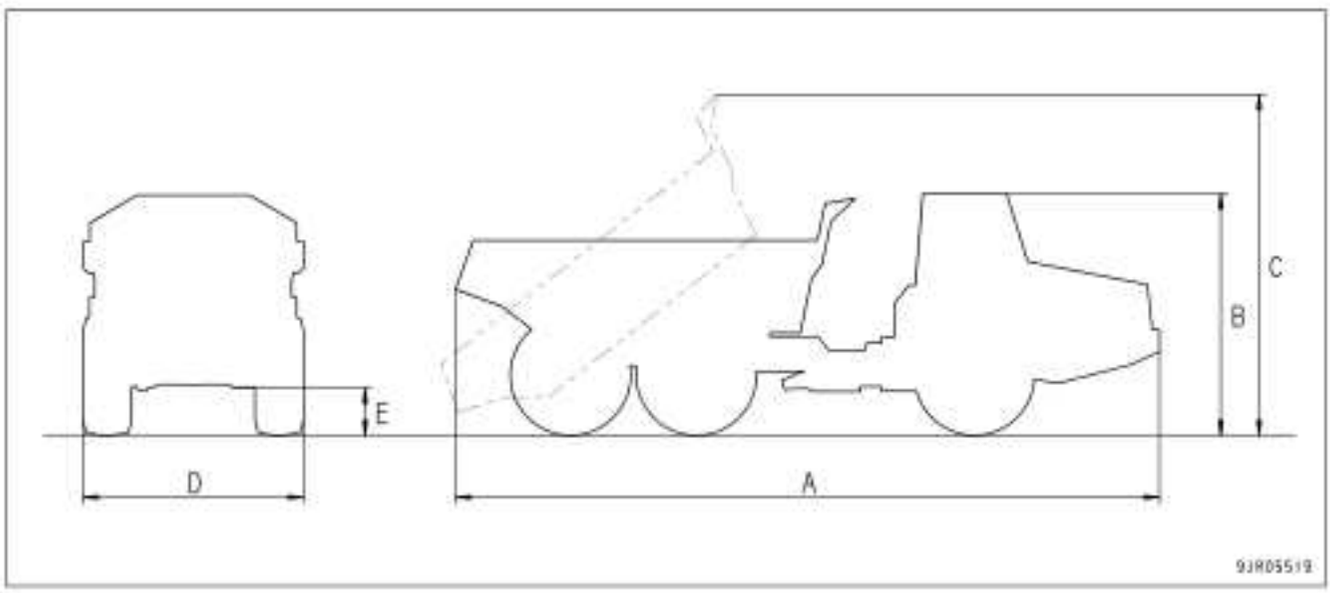
- Change oil in engine oil pan, replace engine oil filter cartridge
- Replace fuel prefilter cartridge
- Replace fuel main filter cartridge
- Replace transmission filter element (valve side, brake cooling side)
- Change oil in transmission case
- Change oil in brake oil tank, replace brake oil filter element
- Change oil in final drive case
- Change oil in differential case
- Replace hydraulic filter element
- Change oil in hydraulic tank

For details of the method of replacing or maintaining, see EVERY 500 HOURS, EVERY 1000 HOURS, EVERY 2000 HOURS SERVICE and EVERY 4000 HOURS SERVICE.

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SPECIFICATIONS

	Item			Unit	HM350-2
	Overall weight (unladen weight + max. payload + 1 operator (75kg (165 lb))			kg (lb)	63435 (139874)
	Unladen weight			kg (lb)	31060 (68487)
	Max. payload			kg (lb)	32300 (71222)
	Dump body capacity	Struck		m^3 (cu.yd)	14.6 (19.1)
		Heaped (2 : 1)		m^3 (cu.yd)	19.8 (25.9)
	Dumping speed (at 2000 rpm) (raised)			sec	12
	Name of engine			–	Komatsu SAA6D140E-5 diesel engine
	Flywheel horsepower			kW (HP)/rpm	293 (393)/2000
	Max. torque			Nm (kgm, lbft)/rpm	1991 (203, 1468.3)/1400
A	Overall length			mm (ft in)	11145 (36' 7")
B	Overall height			mm (ft in)	3700 (12' 2")
C	Overall height when dumping			mm (ft in)	7035 (23' 1")
D	Overall width			mm (ft in)	3250 (10' 8")
E	Min. ground clearance (bottom of rear axle)			mm (ft in)	585 (1' 11")
	Min. turning radius			mm (ft in)	8600 (28' 3")
	Travel speed	Forward	1st	km/h (MPH)	7.0 (4.3)
			2nd	km/h (MPH)	10.7 (6.6)
			3rd	km/h (MPH)	16.5 (10.3)
			4th	km/h (MPH)	25.4 (15.8)
			5th	km/h (MPH)	38.6 (24.0)
			6th	km/h (MPH)	57.1 (35.5)
		Reverse	1st	km/h (MPH)	7.2 (4.5)
			2nd	km/h (MPH)	17.0 (10.6)
	Temperature range when using			°C (°F)	-20 to 40 (-4 to 104)



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