TEN00517-03

Operation & Maintenance Manual

ARTICULATED
DUMP TRUCK

HM300-3

SERIAL NUMBERS 3001 and up

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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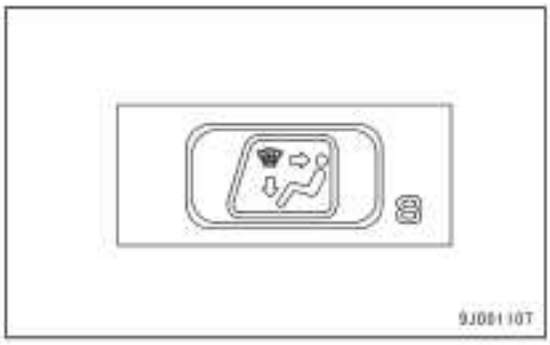
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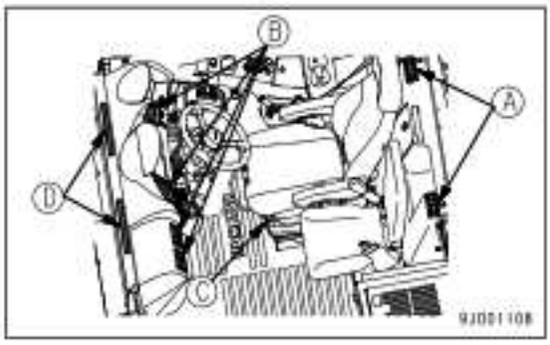
VENT SELECTOR SWITCH (HM-K5V7-043-K-00-A)

This switch (4) is used for selecting the vents.

- When switch (4) is pressed, the display on monitor display (7) switches and air blows out from the vents displayed.
- During automatic operation, the vents are automatically selected.



(A): Rear window glass vent (2 places)
(B): Face vent (4 places)
(C): Foot vent (1 place)
(D): Front window glass vent (2 places)



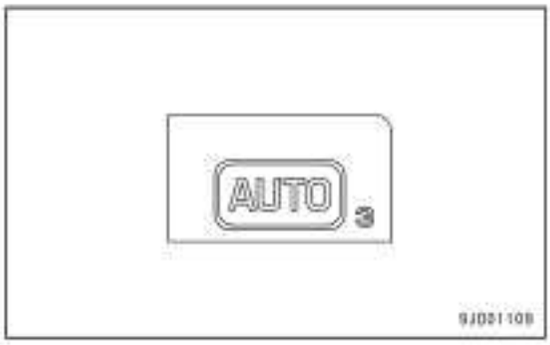
Liquid crystal display	Vent mode	Vent Ⓐ	Vent Ⓑ	Vent Ⓒ	Vent Ⓓ	Remarks
	Face vent		○			—
	Face and foot vents		○	○		—
	Foot vent			○		—
	Foot vent Defroster vent	○		○	○	Cannot be selected for automatic operation

Note 1: Air blows out from vents marked ○

AUTO SWITCH (HM-K5V8-043-K-00-A)

With switch (5), the air flow, vents, and air source (FRESH/RECIRC) are automatically selected according to the set temperature.

- Press switch (5), then use temperature control switch (3) to set the temperature, and run the air conditioner under automatic control.
- When switching from automatic operation to manual operation, it is possible to use the switches to select the vents and air source (FRESH/RECIRC).



REMARK

When Auto Mode is selected, if the set temperature is set to 18.0 °C {64.4 °F} or 32.0 °C {89.6 °F}, the air flow is always set to High, but this is not a problem.

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MAINTENANCE PROCEDURE (ALL-3510-001-A-00-A)

INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS) (HM300-3350-208-A-00-A)

Perform the following maintenance only after the first 250 hours.

- 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

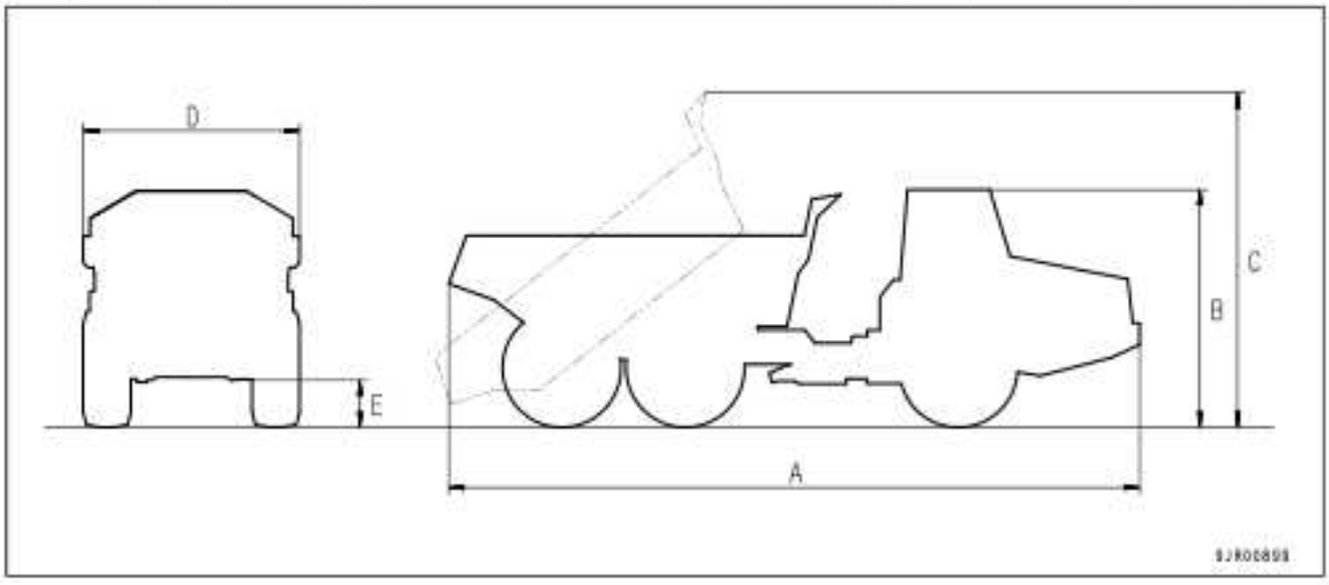
For details of the method of replacement or maintenance, see EVERY 500 HOURS MAINTENANCE and EVERY 1,000 HOURS MAINTENANCE.

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SPECIFICATIONS

(HM300-2110-S00-A-00-A)

	Item			Unit	HM300-3
	Overall weight (unloaded weight + max. payload + 1 operator (75 kg {165 lb}))			kg {lb}	52,990 {116,843}
	Unloaded weight			kg {lb}	24,910 {54,927}
	Max. payload			kg {lb}	28,000 {61,740}
	Dump body capacity	Struck		m^3 {cu.yd}	13.4 {17.5}
		Heaped (2 : 1)		m^3 {cu.yd}	17.1 {22.4}
	Dumping speed (at 2,000 rpm) (raised)			sec	10.5
	Name of engine			-	Komatsu SAA6D125E-6 diesel engine
	Engine flywheel horsepower			kW {HP}/rpm	248 {337}/2,000
	Engine max. torque			Nm {kgm, lbft}/rpm	1,680 {171, 1236.8}/1,400
A	Overall length			mm {ft in}	10,275 {33' 9"}
B	Overall height			mm {ft in}	3,510 {11' 6"}
C	Overall height when dumping			mm {ft in}	6,440 {21' 2"}
D	Overall width			mm {ft in}	2,900 {9' 6"}
E	Min. ground clearance (bottom of rear axle)			mm {ft in}	498 {1' 8"}
	Min. turning radius			mm {ft in}	8,100 {26' 7"}
	Travel speed	Forward	1st	km/h {MPH}	6.8 {4.2}
			2nd	km/h {MPH}	10.7 {6.6}
			3rd	km/h {MPH}	16.2 {10.1}
			4th	km/h {MPH}	25.5 {15.8}
			5th	km/h {MPH}	38.4 {23.9}
			6th	km/h {MPH}	58.6 {36.4}
		Reverse	1st	km/h {MPH}	7.6 {4.7}
			2nd	km/h {MPH}	18.1 {11.2}
	Operating temperature range			°C (°F)	-20 to 40 (-4 to 104)



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