TEN00580-03

Operation & Maintenance Manual

ARTICULATED
DUMP TRUCK

HM400-3

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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IF ACCELERATOR PEDAL HAS FAILED (HM-0000-144-K-03-A)

The accelerator pedal is equipped with a potentiometer that detects the amount that the accelerator pedal is depressed. In addition, there is a switch that judges if the accelerator pedal is being depressed or if it has been released.

If it is impossible to detect correctly the amount that the accelerator pedal is depressed because of breakage of the accelerator pedal or defective wiring, the engine controller controls the engine in accordance with the signal from this judgment switch. When the accelerator pedal is being depressed, the engine speed is set to 1,500 rpm; when the accelerator pedal is released, the engine speed is set to low idling. The speed differs according to the load.

Operate the accelerator pedal to move the machine to a safe place, then check the failure code and contact your Komatsu distributor.

When operating the accelerator pedal, release the pedal to turn it to the OFF position (low idle) or depress it fully to set to 1,500 rpm.

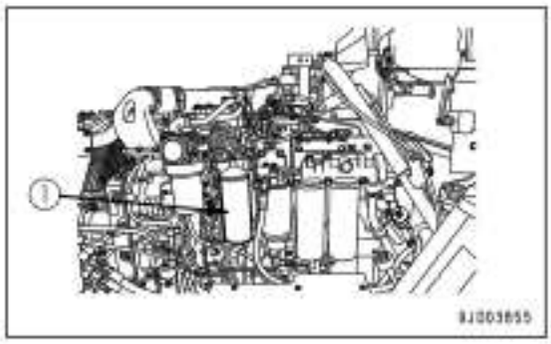
If the accelerator pedal is depressed half way, it may be impossible to judge if the accelerator pedal is being operated.

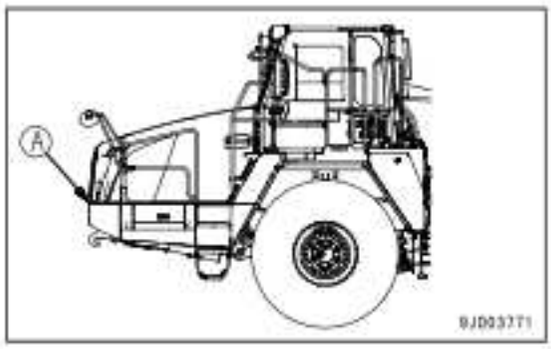
REMARK

If the engine controller cannot correctly receive the signal for the amount that the accelerator pedal is depressed, the centralized warning lamp lights up, the alarm buzzer sounds intermittently, and Engine System Error and action level "L03" is displayed on the machine monitor.

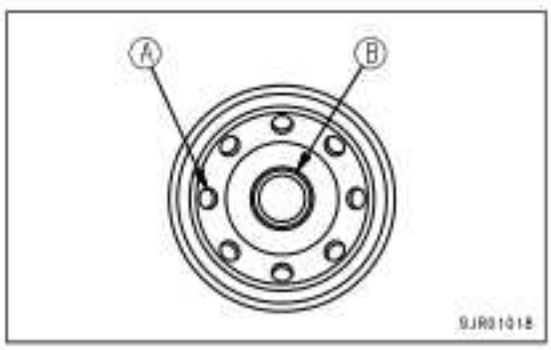
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1. Place a container under the filter cartridge to catch the fuel.
2. By using the filter wrench, turn filter cartridge (1) counter-clockwise to remove it.
   When getting on or off the machine with carrying a filter, a tool, etc., place it once in portion (A) to ensure your safety.
3. Clean the filter head, apply thin film of oil to the packing surface of the new filter cartridge, then install the filter cartridge to the filter head.

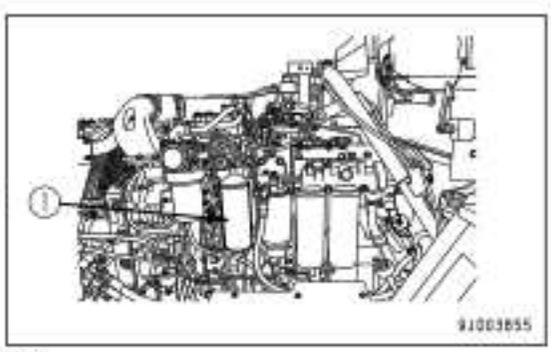




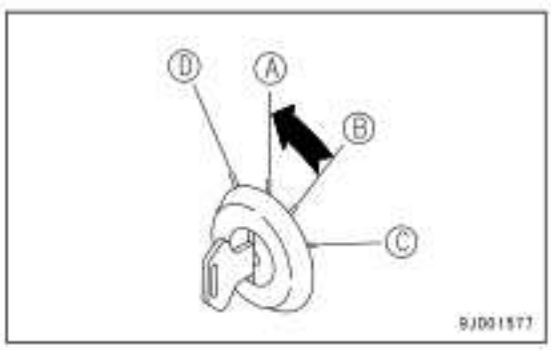
NOTICE
- **Do not fill the new filter cartridge with fuel.**
- **Remove cap (B) at center and install the filter cartridge.**



4. When installing, tighten it until the packing surface contacts the seal surface of the filter head, then tighten it further 1/2 to 3/4 turns.
   If the filter cartridge is tightened too much, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is not tightened enough, fuel will also leak from the gap at the packing, so always tighten the cartridge to the specified angle.
   When tightening with a filter wrench, be extremely careful not to dent or damage the filter.



5. Fill the fuel tank until full (to FULL mark on the fuel gauge) with fuel.
6. Turn the starting switch key to OFF position (A) to stop the engine.

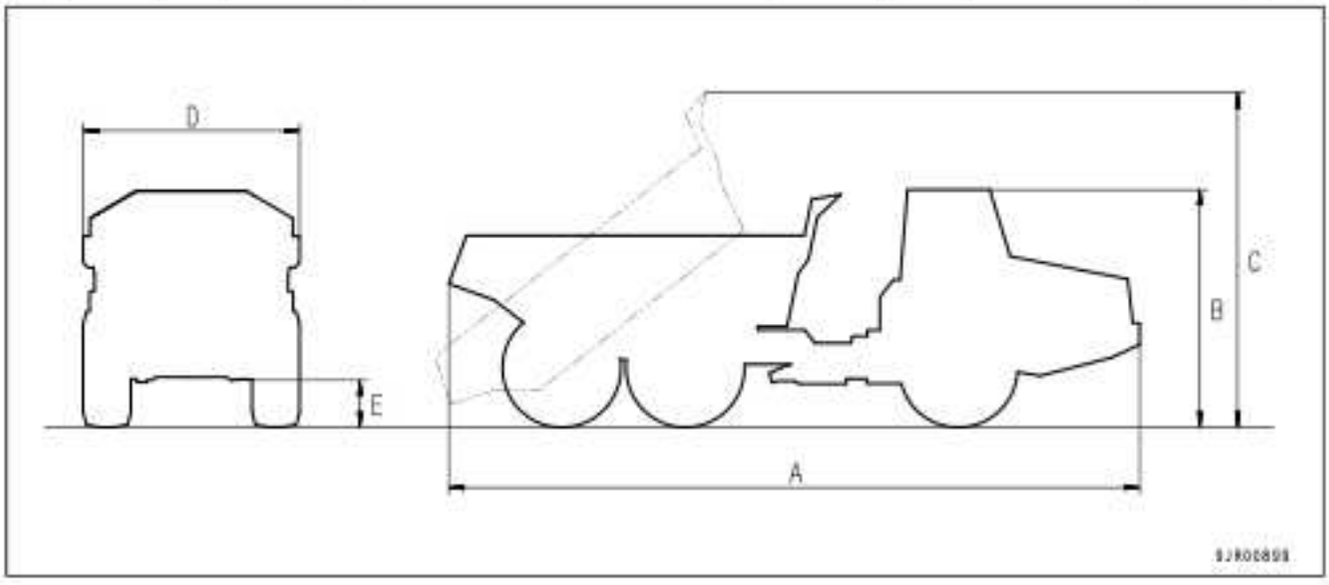


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SPECIFICATIONS

(HM400-2110-S00-A-00-A)

	Item			Unit	HM400-3
	Overall weight (unloaded weight + max. payload + 1 operator (75 kg {165 lb}))			kg {lb}	73735 {162586}
	Unloaded weight			kg {lb}	33660 {74220}
	Max. payload			kg {lb}	40000 {88200}
	Dump body capacity	Struck		m^3 {cu.yd}	18.2 {23.8}
		Heaped (2 : 1)		m^3 {cu.yd}	24.0 {31.4}
	Dumping speed (at 2,000 rpm) (raised)			sec	12.0
	Name of engine			-	Komatsu SAA6D140E-6 diesel engine
	Engine flywheel horsepower			kW {HP}/rpm	353 {473}/2000
	Engine max. torque			Nm {kgm, lbft}/rpm	2280 {232, 1678.1}/1400
A	Overall length			mm {ft in}	11105 {36'5"}
B	Overall height			mm {ft in}	3735 {12' 3"}
C	Overall height when dumping			mm {ft in}	7170 {23' 6"}
D	Overall width			mm {ft in}	3450 {11' 4"}
E	Min. ground clearance (bottom of rear axle)			mm {ft in}	615 {2' 0"}
	Min. turning radius			mm {ft in}	8800 {28' 10"}
	Travel speed	Forward	1st	km/h {MPH}	6.6 {4.1}
			2nd	km/h {MPH}	10.1 {6.3}
			3rd	km/h {MPH}	15.5 {9.6}
			4th	km/h {MPH}	23.7 {14.7}
			5th	km/h {MPH}	36.5 {22.7}
			6th	km/h {MPH}	55.9 {34.7}
		Reverse	1st	km/h {MPH}	6.8 {4.2}
			2nd	km/h {MPH}	16.0 {9.9}
	Operating temperature range			°C (°F)	-20 to 40 {-4 to 104}



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