TEN00425-07

Operation & Maintenance Manual

DUMP TRUCK

HD325-7
HD405-7

SERIAL NUMBERS HD325-7611 and up
HD405-7611

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.

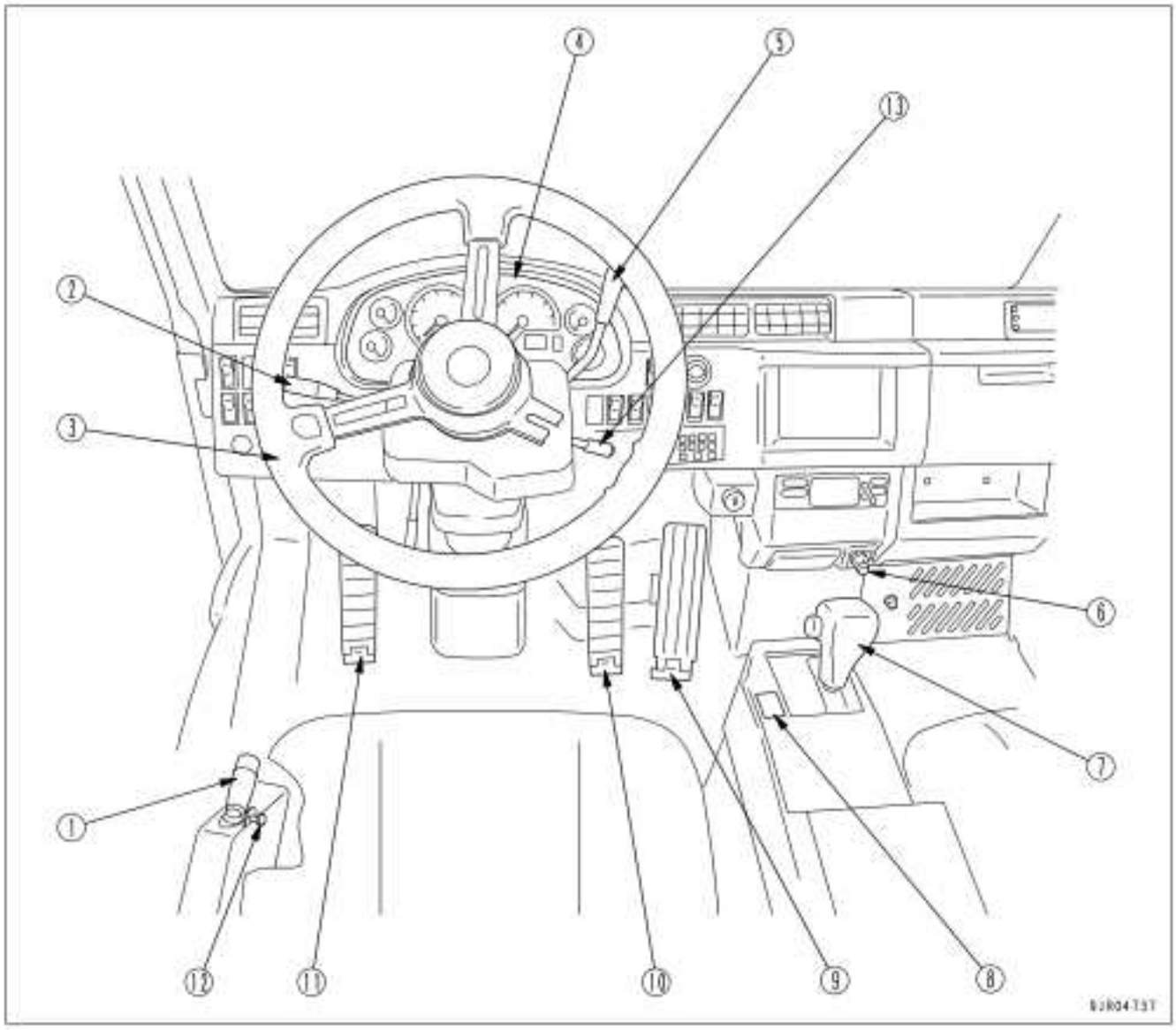
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FUSES ---- 3- 46
CAR RADIO ---- 3- 49
CAR STEREO ---- 3- 55
AIR CONDITIONER ---- 3- 64
OPERATION ---- 3- 69
CHECK BEFORE STARTING ENGINE ---- 3- 69
STARTING ENGINE ---- 3- 89
OPERATIONS, CHECKS AFTER STARTING ENGINE ---- 3- 91
STOPPING ENGINE ---- 3- 92
CHECKS AFTER STOPPING ENGINE ---- 3- 92
MOVING MACHINE OFF (FORWARD, REVERSE), STOPPING ---- 3- 93
SHIFTING GEAR ---- 3- 98
TRAVELING DOWNHILL ---- 3-100
STEERING THE MACHINE ---- 3-109
LOADING OPERATIONS ---- 3-109
DUMP OPERATIONS ---- 3-110
PRECAUTIONS FOR OPERATION ---- 3-111
PARKING MACHINE ---- 3-112
CHECKS AFTER COMPLETION OF WORK ---- 3-113
LOCKING ---- 3-113
HANDLING TIRES ---- 3-114
DETERMINING AND MAINTAINING TRAVEL ROAD ---- 3-117
DETERMINING TRAVEL ROAD ---- 3-117
MAINTAINING TRAVEL ROAD ---- 3-117
TRANSPORTATION ---- 3-118
PRECAUTIONS WHEN TRANSPORTING ---- 3-118
STEPS FOR TRANSPORTATION ---- 3-118
METHOD OF SECURING MACHINE ---- 3-118
METHOD OF LIFTING MACHINE ---- 3-119
COLD WEATHER OPERATION ---- 3-122
PRECAUTIONS FOR LOW TEMPERATURE ---- 3-122
PRECAUTIONS AFTER COMPLETION OF WORK ---- 3-123
AFTER COLD WEATHER ---- 3-124
LONG-TERM STORAGE ---- 3-125
BEFORE STORAGE ---- 3-125
DURING STORAGE ---- 3-125
AFTER STORAGE ---- 3-125
PRECAUTIONS BEFORE TRAVELING AFTER LONG-TERM STORAGE ---- 3-125
TROUBLESHOOTING ---- 3-126
AFTER RUNNING OUT OF FUEL ---- 3-126
IF TRANSMISSION HAS TROUBLE ---- 3-127
METHOD OF LOWERING DUMP BODY IN EMERGENCY ---- 3-128
METHOD OF TOWING MACHINE ---- 3-129
IF BATTERY IS DISCHARGED ---- 3-133
OTHER TROUBLE ---- 3-136
MAINTENANCE ---- 4- 1
GUIDES TO MAINTENANCE ---- 4- 2
OUTLINE OF SERVICE ---- 4- 6
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC ---- 4- 6
OUTLINE OF ELECTRIC SYSTEM ---- 4- 10

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GENERAL VIEW OF CONTROLS AND GAUGES



(1) Dump lever
(2) Lamp switch, Turn signal lever, Dimmer switch
(3) Steering wheel
(4) Machine monitor
(5) Retarder control lever
(6) Cigarette lighter
(7) Gear shift lever
(8) Parking brake switch
(9) Accelerator pedal
(10) Brake pedal
(11) Secondary brake pedal
(12) Dump lever lock knob
(13) Auto retarder (ARSC) set lever (if equipped)

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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

- **After the engine has been operated, all parts are at high temperature, so do not replace the filter immediately. Wait for all parts to cool down before starting the operation.**
- **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 fire or flame close.**

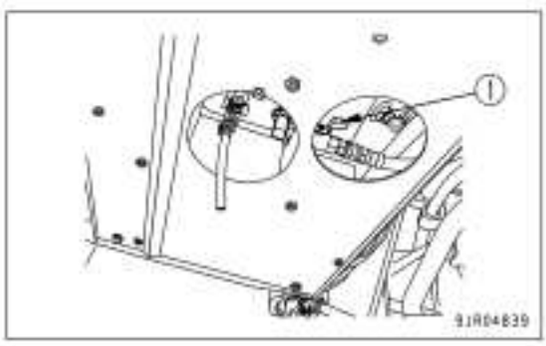
NOTICE

- **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 carrying out 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.**

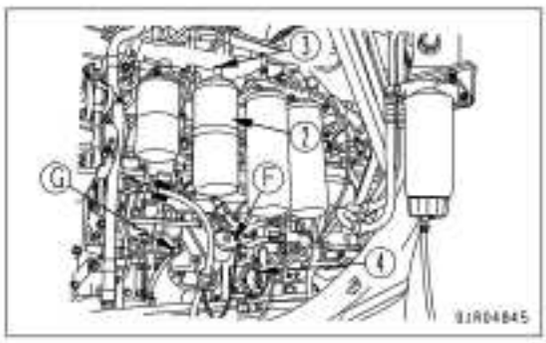
- Container to catch the fuel
- Prepare a filter wrench

After replacing the fuel pre-filter 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. Using a filter wrench, turn filter cartridge (2) counterclockwise to remove it.
4. Clean the filter holder, coat the packing surface of the new filter cartridge thinly with oil, then install the filter cartridge to the filter holder.



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)	63675 (140403)	74475 (164217)
	Unladen weight			kg (lb)	31600 (69678)	34400 (75852)
	Max. payload			kg (lb)	32000 (70560)	40000 (88200)
	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	
	Horsepower	Net (ISO 9249 / SAE J1349)		kW(HP)/rpm	371 (498)/2000	
		Gross (SAE J1955)		kW(HP)/rpm	386 (518)/2000	
	Max. torque			Nm(kgm, lbft)/rpm	2,170 (221, 1598.5)/1400	
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°C (-4 to 113°F)	

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