SEAM05690508

Operation & Maintenance Manual

KOMATSU®

HD465-5
HD605-5

DUMP TRUCK

SERIAL NUMBERS HD465-5 - 4651 and up
HD605-5 - 1015

September 1998

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6. Clean the filter holder, fill the new filter cartridge with clean engine oil, coat the packing face and thread with engine oil (or coat thinly with grease), then install the filter cartridge.

7. When installing the filter cartridge, tighten until the packing face is in contact with the filter holder, then tighten a further 3/4 – 1 turn.

8. Add engine oil through oil filler Ⓕ to fill to the specified level.

9. Run the engine for a short time at idling, then check the oil level. For details, see "24.3 CHECK BEFORE STARTING".

For details of the oil to use, see "20. USE OF FUEL, COOLANT, AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE".

Even if the machine has not been operated for 250 hours, the oil and filter cartridge must be replaced when the machine has been operated for 6 months.

In the same way, even if the machine has not been operated for 6 months, the oil and filter cartridge must be replaced when the machine has been operated for 250 hours.

Use API category CD class oil. If CC class oil must be used, change the oil and replace the oil filter at half the useal interval (125 hours).

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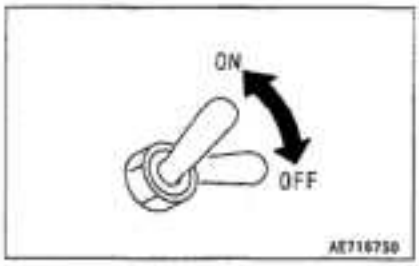
25. SPECIFICATIONS

HD465-5

			Standard tire	Small size tire
Weight				
• Overall weight (unladen weight + max. payload + 1 operator)			87155 kg (192177 lb)	85975 kg (189575 lb)
• Unladen weight			41100 kg (90626 lb)	39900 kg (87980 lb)
• Operator			75 kg (165 lb)	
Performance				
• Travel speed	FORWARD	1st	11.5 (7.1 MPH)	10.5 km/h (6.5 MPH)
		2nd	16.0 (9.9 MPH)	15.5 km/h (9.6 MPH)
		3rd	21.5 (13.4 MPH)	20.5 km/h (12.7 MPH)
		4th	29.5 (18.3 MPH)	28.0 km/h (17.4 MPH)
		5th	39.0 (24.5 MPH)	37.5 km/h (23.3 MPH)
		6th	52.5 (32.6 MPH)	50.5 km/h (31.4 MPH)
		7th	70.0 (43.5 MPH)	66.0 km/h (41.0 MPH)
	REVERSE	1st	9.0 (5.6 MPH)	8.5 km/h (5.3 MPH)
• Max. payload			46000 kg (101430 lb)	
• Dump body capacity	Struck		25 m³ (32.4 cu • yd)	
	Heaped		34.2 m³ (44.3 cu • yd)	
• Dumping speed	(At 2000 rpm) (raised)		11.5 sec	
• Min. turning radius			8500 mm (27 ft 10 in)	
• Min. ground clearance (bottom of rear axle)			645 (2 ft 1 in)	555 mm (1 ft 10 in)
Engine				
• Type			Komatsu SAA6D170E-2 diesel engine	
• Flywheel horsepower			551.63 kw (740 HP) 2000 rpm	
• Max. torque			3030 N·m (309 kgf·m, 2235 lbft)/1400 rpm	
• Starting motor			24V7.5kW x 2	
• Alternator			24V50A	
• Battery			12V200Ah x 2	
Sound level				
• Surrounding (sound power level L WA) dB(A)			78.5 dB(A)	
• Operator's (sound pressure level L PA) dB(A) measurement procedures described in ISO6394 or 86/622/EEC			79.5 dB(A)	
Vibration level				
• Hands/Arms	The weighted root mean square acceleration Measurement standards: ISO7096		4.27 m/S²	
• Whole body			0.54 m/S²	

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4. TROUBLESHOOTING SWITCH
Used for troubleshooting.

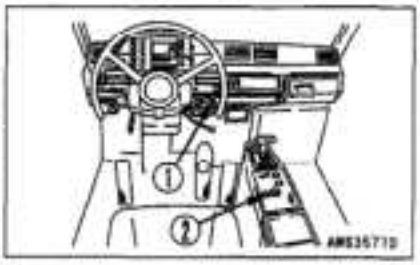


32.2 OPERATION METHOD

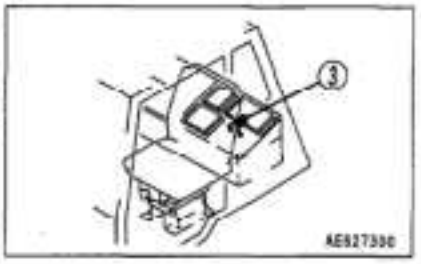
32.2.1 ABS OPERATION

⚠WARNING

Always stop the truck before turning on the ABS/ASR main switch ③. If it is turned on while the truck is running, the ABS/ASR may not function normally.



1. Turn on the truck starting switch ①. At this time, warning lamp ② will light up.
2. Turn on the ABS/ASR main switch ③. Start the truck. When the speed rises to about 10 km/h (6.2 MPH), the warning lamp ② will go off.



If the truck starting switch ① is turned on/off while the ABS/ASR main switch ③ is turned on, the electric power for the ABS/ASR system will also be turned on/off.

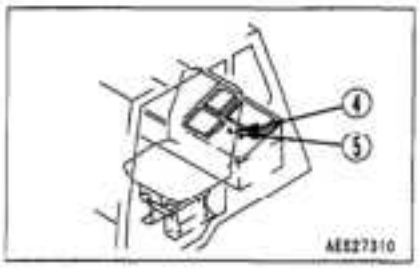
Accordingly, keep the ABS/ASR main switch turned on for normal operation.

32.2.2 ASR OPERATION

⚠WARNING

Turn on the troubleshooting switch ⑤ only when performing troubleshooting on the truck. The ABS/ASR system will not function while the troubleshooting switch is turned on.

1. Since the ASR and ABS are interlocked, if the ABS is turned on, the ASR is also turned on automatically.
2. The ASR information lamp ④ lights up when the system detects slippage of the rear wheels, and the ASR starts functioning.



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