TEN00763-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC45MR-5
PC55MR-5

SERIAL NUMBERS PC45MR-30403 and up
PC55MR-20398

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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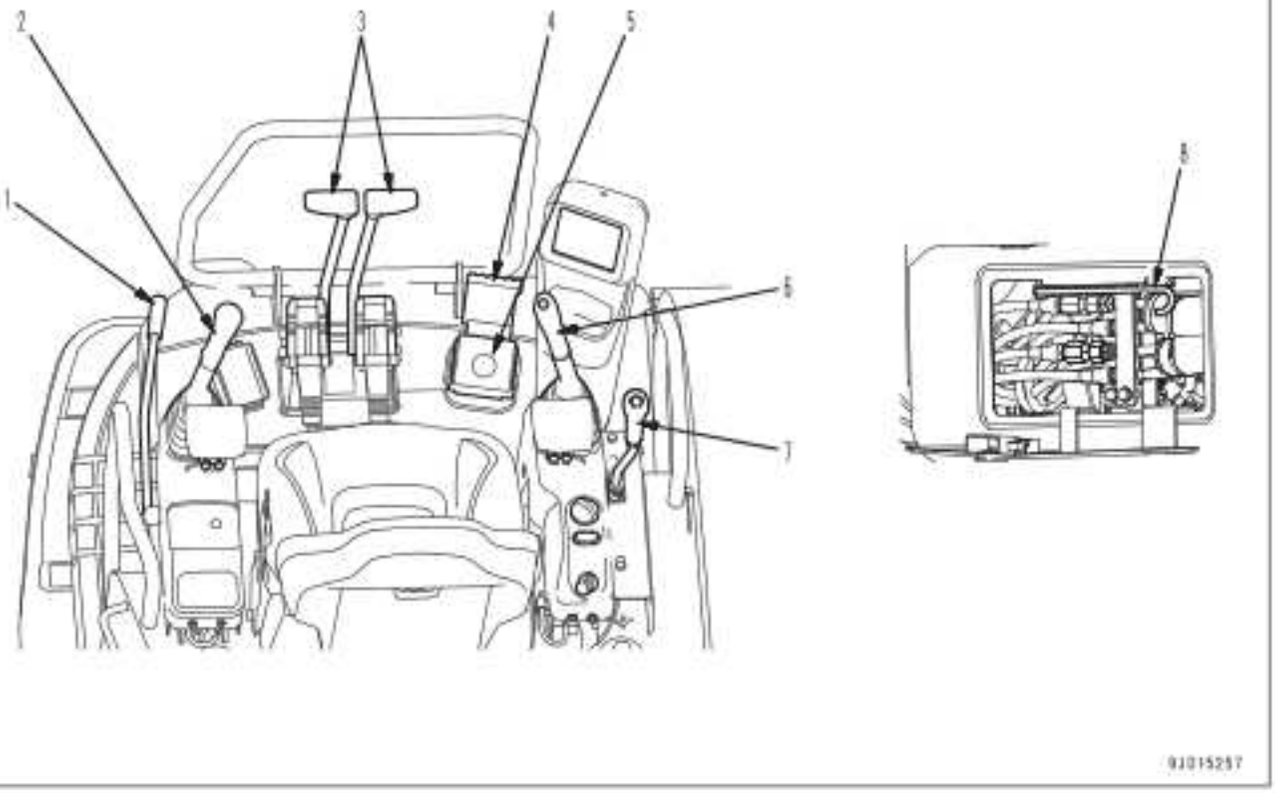
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CONTROL LEVERS AND PEDALS



(1) Lock lever
(2) L.H. work equipment control lever
(3) Travel lever (with pedal)
(4) Swing lock cover
(5) Boom swing control pedal
(6) R.H. work equipment control lever
(7) Blade control lever
(8) Floor lock release lever

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EVERY 500 HOURS MAINTENANCE

Maintenance for every 100 and 250 hours should be performed at the same time.

METHOD FOR CHANGING OIL IN ENGINE OIL PAN, REPLACING ENGINE OIL FILTER CARTRIDGE

⚠ WARNING

Immediately after the engine is stopped, its parts and oil are still very hot, and may cause burn injury. Wait for the temperature to go down, and then start the work.

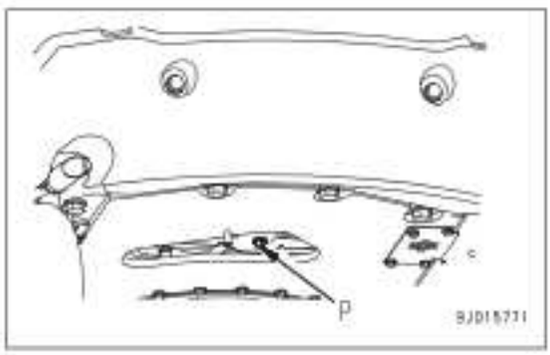
Refill capacity of oil pan: 7.5 ℓ {1.98 U.S.Gal}

Items to be prepared

- Container to catch drained oil
- Filter wrench

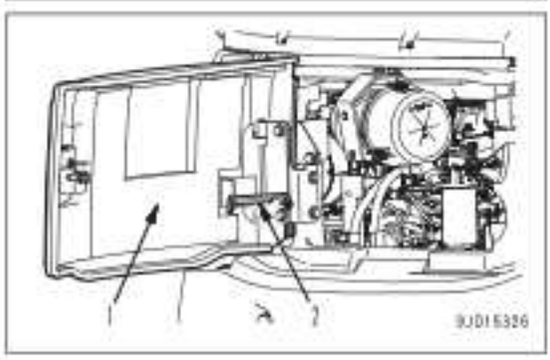
1. Place the oil container under the drain plug (P) to catch the drained oil.
2. Remove the drain plug (P) slowly to drain the oil so that you do not get splashed with the oil.
3. Check the drained oil.

   If there are excessive metal powder or foreign material, contact your Komatsu distributor.
4. Install the drain plug (P).



5. Pull the engine rear cover (1) backward to open it.

   Open the engine rear cover (1) fully and it is secured by rod (2).

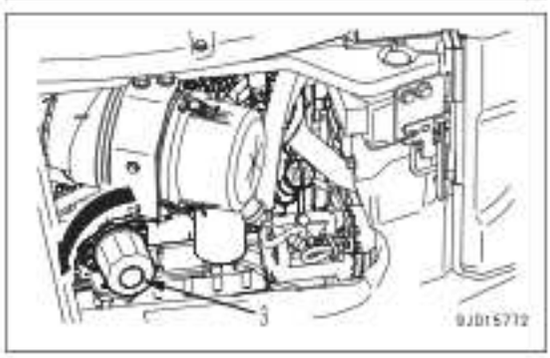


6. Turn the engine oil filter cartridge (3) counterclockwise by using the filter wrench, and remove it.
7. Clean the mounting face of engine oil filter cartridge.

   REMARK

   Check that the old packing does not stick to the mounting face of engine oil filter cartridge. If there is any old packing stuck to the filter, it will cause oil leakage.
8. When installing the new engine oil filter cartridge, apply clean engine oil (or thin film of grease) to its packing and thread part.

   When installing, bring the packing surface into contact with the seal surface of engine oil filter cartridge, then tighten it a further 1/2 to 3/4 turns.

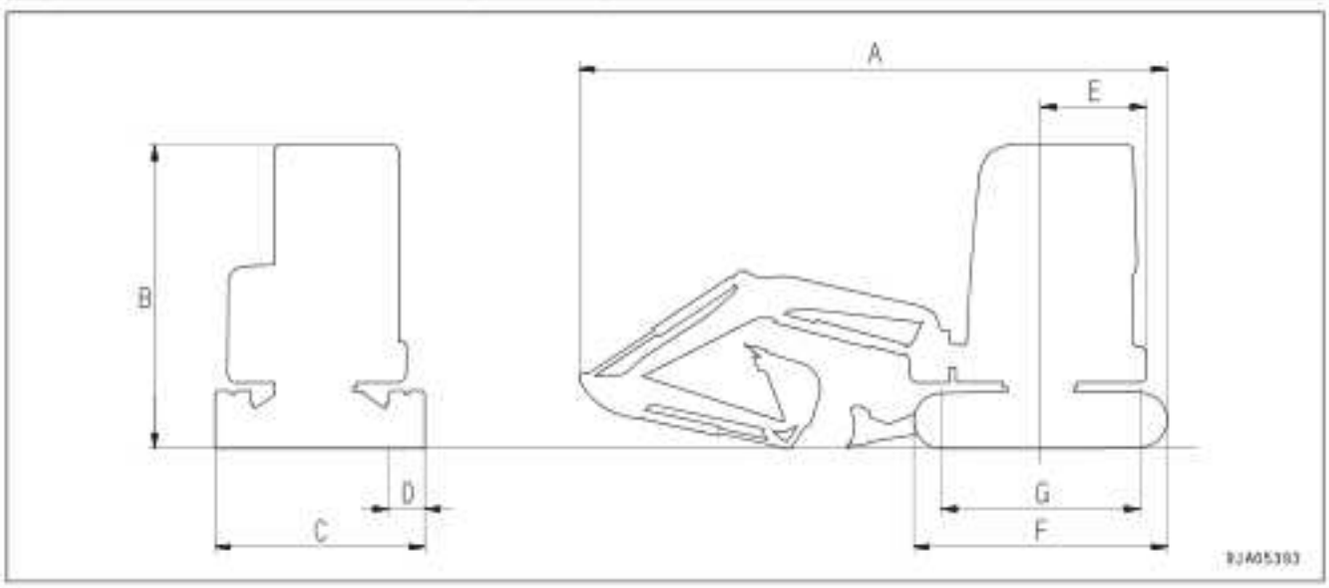


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SPECIFICATIONS

SPECIFICATIONS: PC45MR-5

	Item	Unit	PC45MR-5	
			Machine with canopy specification	Machine with cab specification
	Operating weight	kg { lb}	4870 {10739}	4990 {11003}
	Bucket capacity	m^3 { cu.yd}	0.14 {0.18}	
	Engine model	-	Komatsu 4D88E-7 diesel engine	
	Rated horsepower			
	• SAE J1995 (Gross)	kW { HP} / min^{-1} { rpm}	29.1 {39.0} /2400 {2400}	29.1 {39.0} /2400 {2400}
	• ISO 9249/ SAE J1349 (Net)		28.3 {38.0} /2400 {2400}	27.7 {37.7} /2400 {2400}
A	Overall length	mm {ft in}	5330 {17' 6"}	
B	Overall height	mm {ft in}	2550 {8' 4"}	2590 {8' 6"}
C	Overall width	mm {ft in}	1960 {6' 5"}	
D	Track width	mm {ft in}	400 {1' 4"}	
E	Tail swing radius	mm {ft in}	1040 {3' 5"}	
F	Overall length of track	mm {ft in}	2520 {8' 3"}	
G	Distance between tumbler centers	mm {ft in}	2000 {6' 7"}	
	Minimum ground clearance	mm {ft in}	290 {0' 11"}	
	Travel speed (Lo/Hi)			
	• For the machine equipped with rubber shoe	km/h { MPH}	2.6 /4.6 {1.6 /2.9}	
	• For the machine equipped with steel shoe and road liner		2.4 /4.3 {1.5 /2.7}	
	Continuous swing speed	rpm	9.0	



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