Operation & Maintenance Manual

TEN00115-01

GALEO

PC27MR-2
PC35MR-2

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC27MR-15001 and up
PC35MR- 6736

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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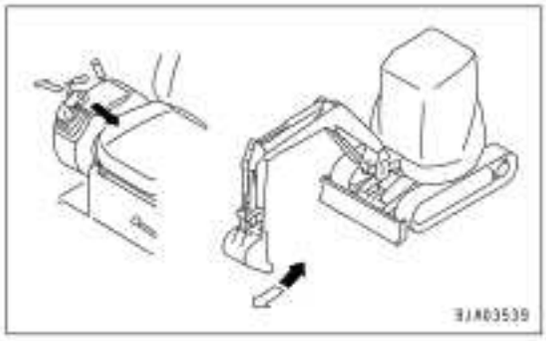
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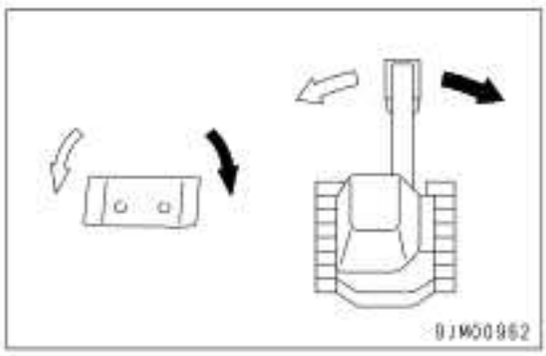
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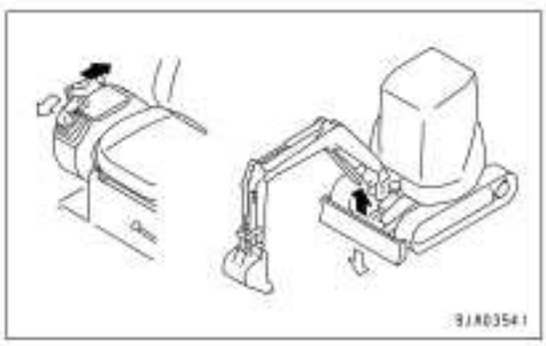
- Bucket control
  Move the right work equipment control lever to the left or right to operate the bucket.



- Boom swing operation
  The boom swing operation can be carried out with the boom swing control pedal.



- Blade control
  Move the lever on the right side of the operator's seat to the front or rear to operate the blade.



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CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

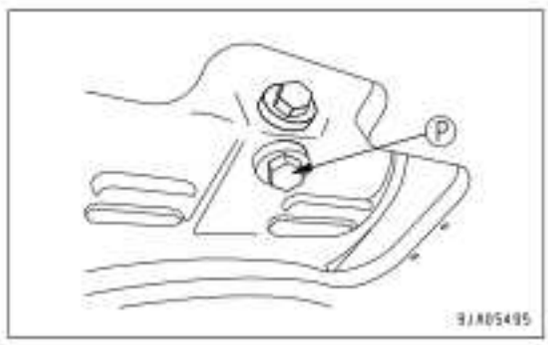
⚠ WARNING

Parts and oil are at high temperature immediately after the engine is stopped and may cause serious burns. Wait for the oil temperature to go down before performing this operation.

- Engine oil pan capacity: PC27MR 5.2 liters (1.37 US gal)
  PC35MR 7.2 liters (1.9 US gal)
- Prepare a filter wrench

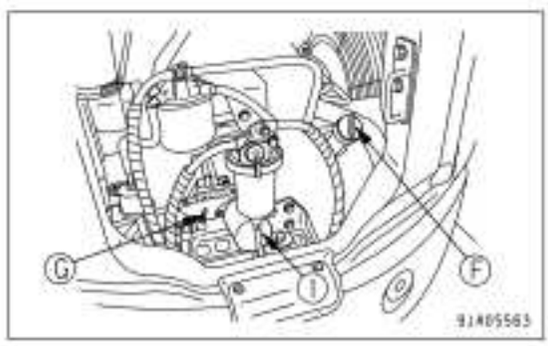
Change the oil and replace the cartridge once every 6 months, even if the engine has not been operated for 500 hours.
In the same way, change the oil and replace the cartridge once every 500 hours, even if the engine has not been operated for 6 months.

1. Remove the cover under the machine, then set a container under drain plug (P) to catch the oil.



REMARK
There is no undercover installed on the PC27MR.

2. Remove drain plug (P) slowly to avoid getting oil on yourself, and drain the oil.
3. Check the drained oil, and if there are excessive metal particles or foreign material, please contact your Komatsu distributor.
4. Install drain plug (P).
5. Install the undercover.
6. Open the engine rear cover.
7. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
8. Clean the filter holder, coat the new filter cartridge packing and threaded portion with clean oil (or coat thinly with grease), then install.



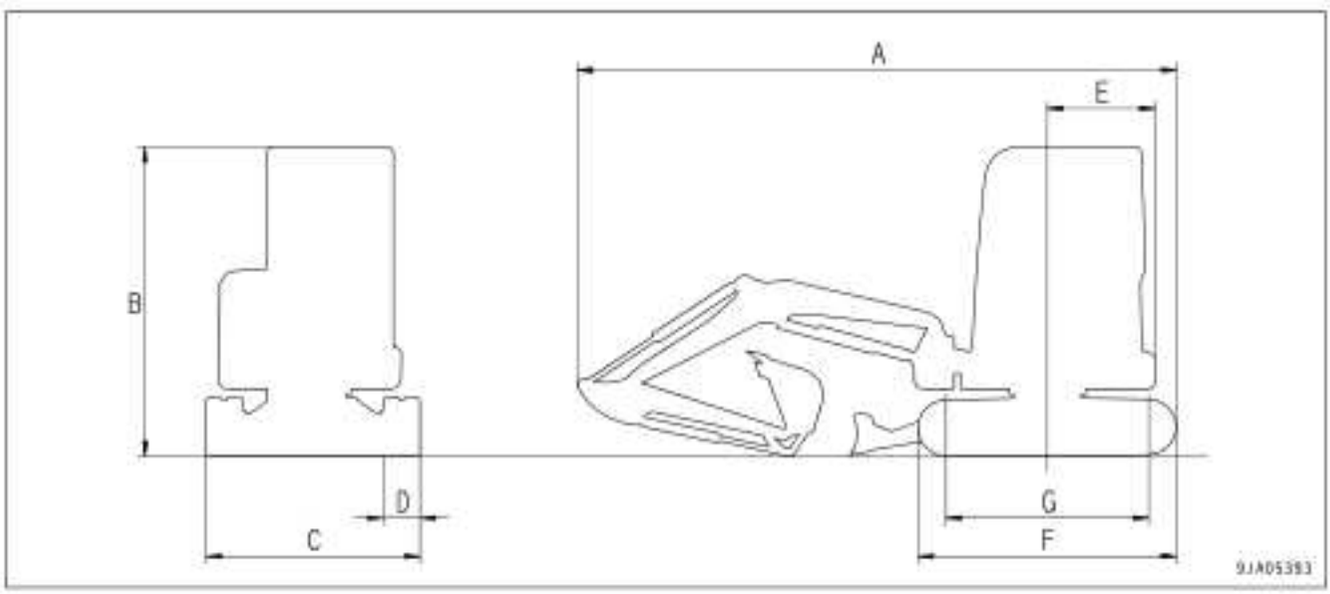
REMARK
Check that there is no old packing stuck to the filter holder. If there is any old packing stuck to the filter, it will cause leakage of oil.

9. When installing; tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 1/2 to 3/4 of a turn.
10. After replacing the filter cartridge, add oil through oil filler (F) until the oil level is between the H and L marks on the dipstick (G).
11. Run the engine idle for a while, then stop the engine and confirm that the oil level is between the H and L lines according to "Check Oil Level in Engine Oil Pan, Add Oil (PAGE 3-43)".

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SPECIFICATIONS

	Item		Unit	PC27MR-2	PC35MR-2
	Operating Weight	Canopy specified	kg (lb)	2,780 (6,130)	3,740 (8,247)
		Cab specified		2,955 (6,516)	3,915 (8,633)
	Bucket capacity		m^3 (cu.yd)	0.08 (0.10)	0.11 (0.14)
	Name of engine		-	Komatsu 3D82AE-5M diesel engine	Komatsu 3D88E-5P diesel engine
	Engine horsepower		kW (HP)/rpm	19 (26)/2,600	21.7 (29.1)/2,400
A	Overall length		mm (ft in)	4,320 (14' 2")	4,850 (15' 11")
B	Overall height		mm (ft in)	2,530 (8' 4")	
C	Overall width		mm (ft in)	1,550 (5' 1")	1,740 (5' 9")
D	Track width		mm (ft in)	300 (11.8")	
E	Radius of upper structure	Canopy specified	mm (ft in)	775 (2' 7")	950 (3' 1")
		Cab specified		775 (2' 7")	950 (3' 1")
F	Length of track		mm (ft in)	1,950 (6' 5")	2,105 (6' 11")
G	Tumbler center distance		mm (ft in)	1,485 (4' 10")	1,650 (5' 5")
	Min. ground clearance		mm (ft in)	320 (1')	290 (11.4")
	Travel speed (Low/High)		km/h (MPH)	2.6/4.6 (1.6/2.9)	2.8/4.6 (1.7/2.9)
	Swing speed		rpm	9.2	9.0



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