SEAM044900T

Operation & Maintenance Manual

PC15MRX-1

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC15MRX-1 - 10001 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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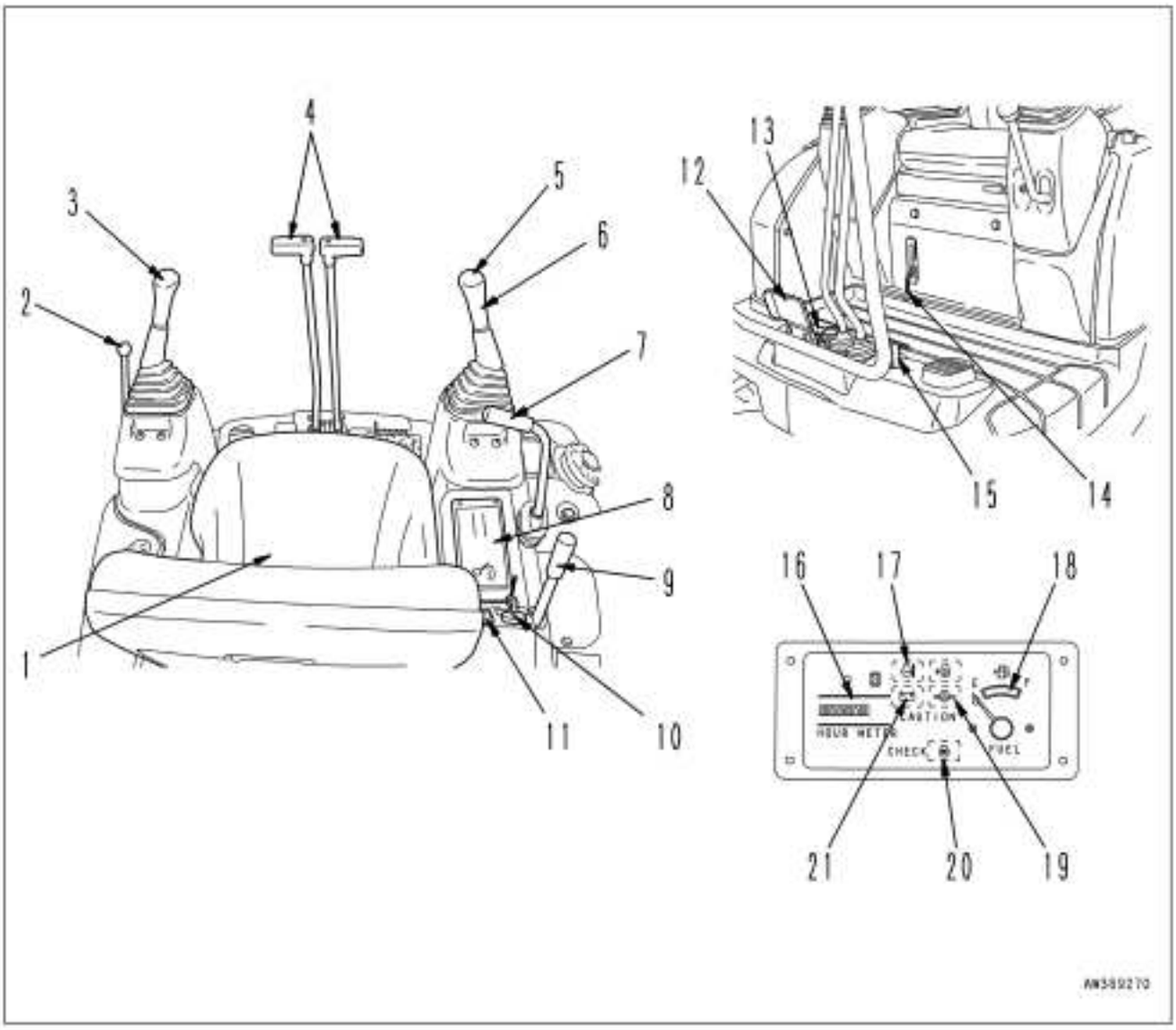
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GENERAL VIEW CONTROLS AND GAUGES



(1) Operator's seat
(2) Safety lock levers
(3) Left work equipment control lever
(4) Travel levers
(5) Horn switch
(6) Right work equipment switch
(7) Blade control lever
(8) Monitor panel
(9) Fuel control lever
(10) Starting switch
(11) Lamp switch
(12) Pedal lock
(13) Boom swing control pedal
(14) Blade control/variable gauge lever
(15) Traveling accelerator pedal
(16) Service meter
(17) Engine coolant temperature gauge
(18) Fuel gauge
(19) Engine oil pressure monitor
(20) Preheating monitor
(21) Charge monitor

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EVERY 250 HOURS MAINTENANCE

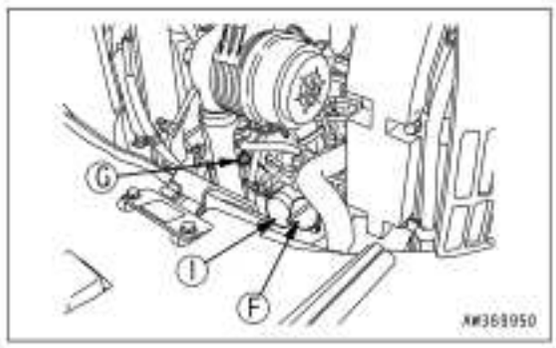
CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

⚠ WARNING

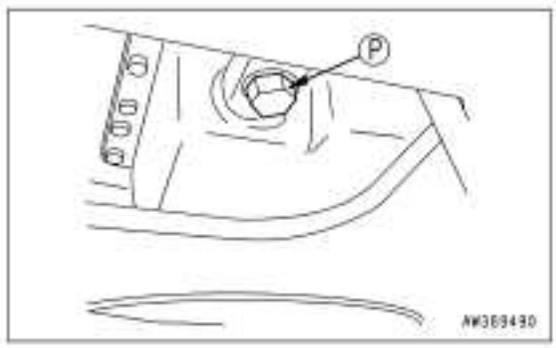
The parts and oil are at high temperature immediately after the engine is stopped, and may cause serious burns. Wait for the temperature to go down before starting the operation.

- Container to catch drained oil: Minimum 4 liters (1.06 US gal) capacity
- Refill capacity: 3 liters (0.79 US gal)
- Filter wrench

1. Set a container to catch the oil immediately under the drain plug (P) at the bottom of the machine.
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, contact your Komatsu distributor.
4. Install drain plug (P).



5. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
   A large amount of oil will come out if this procedure is carried out immediately after stopping the engine, so wait for 10 minutes before starting the maintenance.
6. Clean the filter holder, fill the new filter cartridge with clean engine oil, coat the thread and packing surface of the new filter cartridge with clean engine oil (or coat it thinly with grease), then install it to the filter holder.



REMARK

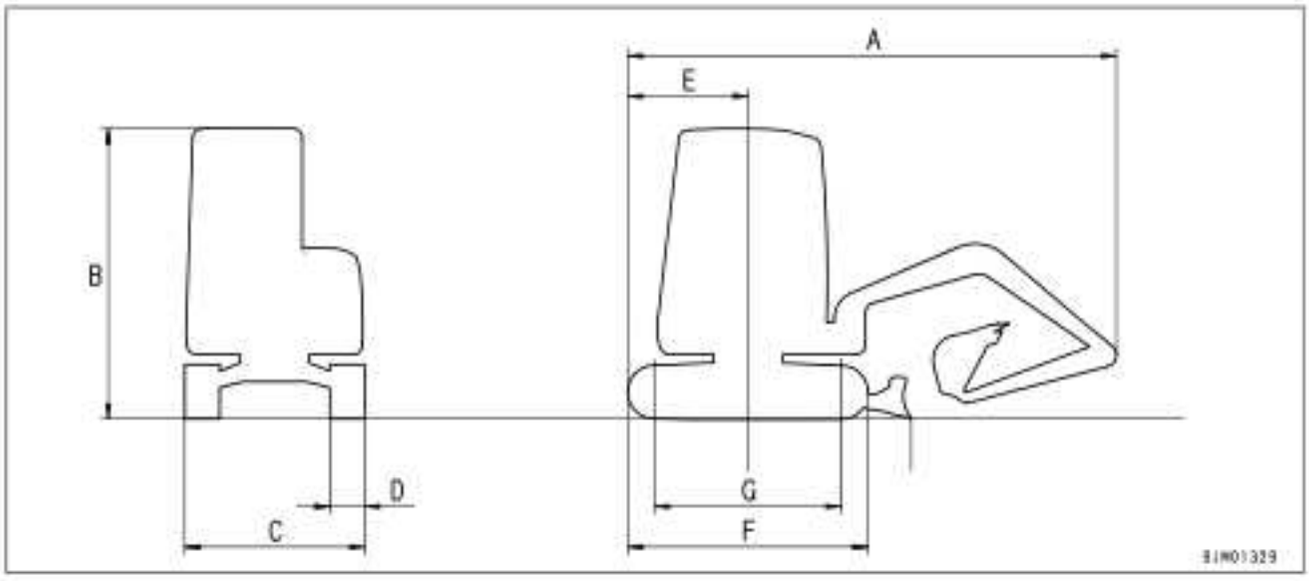
Confirm that no remnants of old packing still adhere to the filter holder as this may result in oil leakage.
Check that there is no old packing affixed to the filter holder. If there is any old packing affixed to the filter, it will cause leakage of oil.

7. 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.
8. After replacing the filter cartridge, add engine oil through oil filler (F) until the oil level is between the H and L marks on the dipstick (G).
9. 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 3-23)".

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SPECIFICATIONS

	Item	Unit	PC15MRx-1
	Operating weight	kg (lb)	1,590 (3,506)
	Bucket capacity	m^3 (cu.yd)	0.044 (0.05)
	Name of engine		KOMATSU 3D68EK-3K diesel engine
	Engine horsepower	kW (HP)/rpm	11.20 (15) / 2,600
A	Overall length	mm (ft in)	3,570 (11'9")
B	Overall height	mm (ft in)	2,430 (7'12")
C	Overall width	mm (ft in)	1,000 (3'3") 1,250 (4'1")
D	Track width	mm (ft in)	230 (9")
E	Tail swing radius	mm (ft in)	790 (2'7")
F	Overall length of track	mm (ft in)	1,555 (5'1")
G	Length of track on ground	mm (ft in)	1,212 (3'12")
	Min. ground clearance	mm (ft in)	205 (8")
	Travel speed (Low/High)	km/h (MPH)	2.3 / 4.3 (1.4 / 2.7)
	Swing speed	rpm	8.3



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