TEN00114-00

Operation & Maintenance Manual

GALEO

PC308USLC-3

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC308USLC-3 20001 and up

July 2005

KOMATSU

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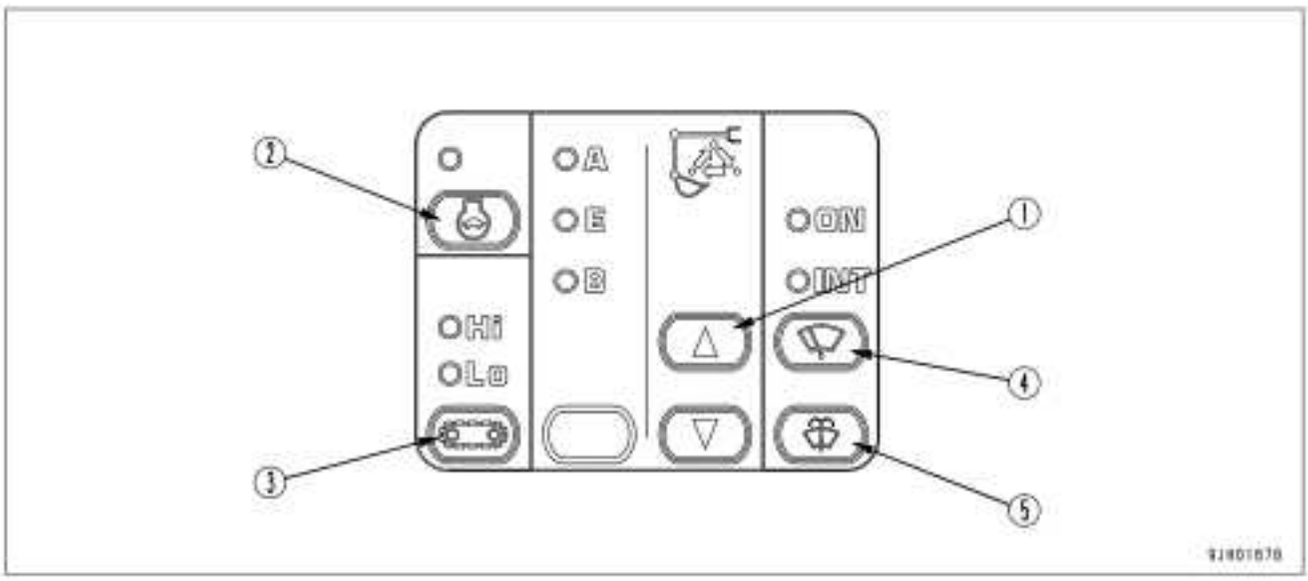
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MONITOR SWITCHES



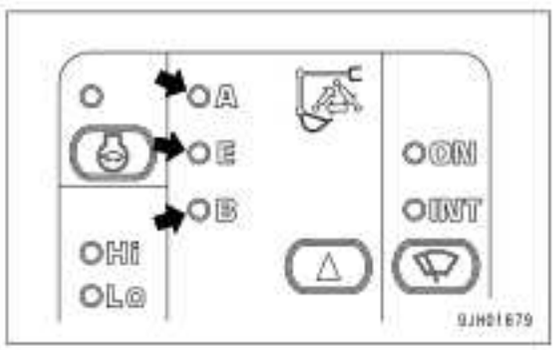
(1) Working mode selector switch (basic switch)
(2) Auto-deceleration switch (selection switch)
(3) Travel speed switch
(4) Wiper switch
(5) Window washer switch

WORKING MODE SELECTOR SWITCH (BASIC SWITCH)

This switch (1) is used to set the power and movement of the work equipment.

Operations can be carried out more easily by selecting the mode to match the type of operation.

A lights up: For heavy-load operations
E lights up: For operations with emphasis on fuel economy
B lights up: For breaker operations



- When starting the engine, the A mode is automatically set. Each time the switch is pressed, the next mode can be selected.
- When starting the engine, if it is desired to set the E or B mode automatically (default option setting), please contact your Komatsu distributor for adjustment.

NOTICE
When using the breaker, do not use A mode. There is danger that the breaker may be damaged.

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EVERY 500 HOURS MAINTENANCE

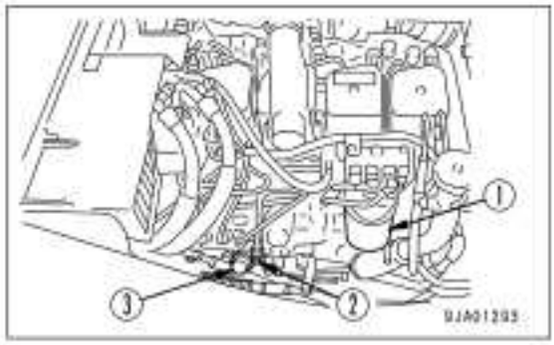
Maintenance for every 100 and 250 hours service should be carried out at the same time.

REPLACE FUEL FILTER CARTRIDGE

⚠ WARNING

- **The parts are at high temperature immediately after the engine has been operated. Wait for all parts to cool down before replacing the filter.**
- **Do not bring fire or sparks near the fuel.**

Prepare a filter wrench and a container to catch the fuel.



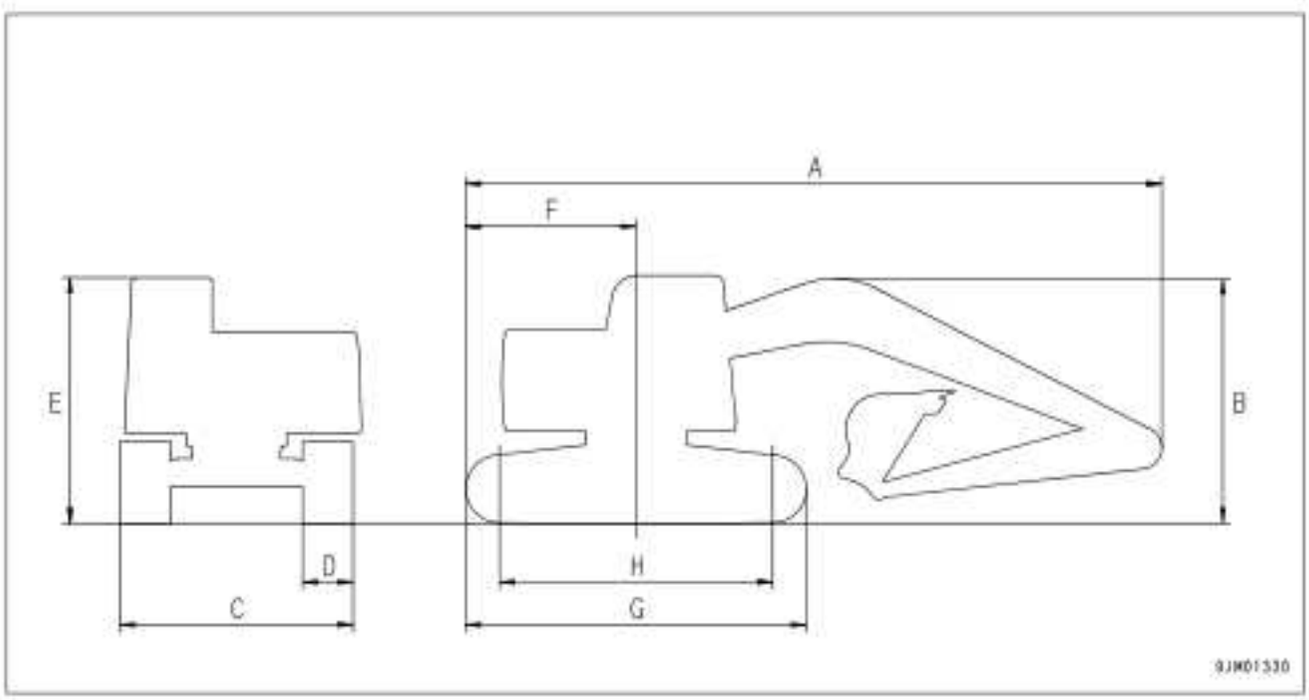
1. Set the container to catch the fuel under the filter cartridge.
2. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
3. Clean the filter holder, fill a new filter cartridge with clean fuel, coat the packing surface with engine oil, then install it to the filter holder.
4. After bringing the packing surface into contact with the seal surface of the filter holder, tighten it a further 1/2 turns.
   If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten to the correct amount.
5. After replacing the fuel filter cartridge, bleed the air from the system. Bleed the air as follows.
6. Fill the fuel tank with fuel (to the position where the float is at the highest position).
7. After replacing filter cartridge (1), loosen air bleed plug (3).
8. Loosen the knob of feed pump (2), pump it up and down, and continue to make the fuel overflow until no more bubbles come out from air bleed plug (3). Then tighten the knob of feed pump.
9. Tighten air bleed pug (3).
   Always use a genuine Komatsu filter cartridge.
   After replacing the filter cartridge, start the engine and check for any leakage of oil from the filter seal surface.

REMARK
Use the feed pump to bleed air from the fuel system, when the machine has run out of fuel, too.

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SPECIFICATIONS

	Item	Unit	PC308USLC-3
	Operating weight	kg (lb)	32,550 (71,760)
	Bucket capacity	m^3 (cu.yd)	1.26 (1.65)
	Name of engine		KOMATSU SAA6D102E-2 diesel engine
	Engine horsepower	kW (HP)/rpm	134 (179) / 2050
A	Overall length	mm (ft in)	9,790 (32'1")
B	Overall height	mm (ft in)	3,210 (10'6")
C	Overall width	mm (ft in)	3,590 (11'9")
D	Track width	mm (ft in)	850 (2'9")
E	Height of cab	mm (ft in)	3,180 (10'5")
F	Radius of upper structure	mm (ft in)	1,830 (6')
G	Length of track	mm (ft in)	4,955 (16'3")
H	Tumbler center distance	mm (ft in)	4,030 (13'3")
	Min. ground clearance	mm (ft in)	498 (1'8")
	Travel speed (Low/High)	km/h (MPH)	2.9/4.6 (1.8/2.8)
	Swing speed	rpm	9.5



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