TEN00391-00

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC228US -8
PC228USLC-8

SERIAL NUMBERS 50001 and up

ecot3

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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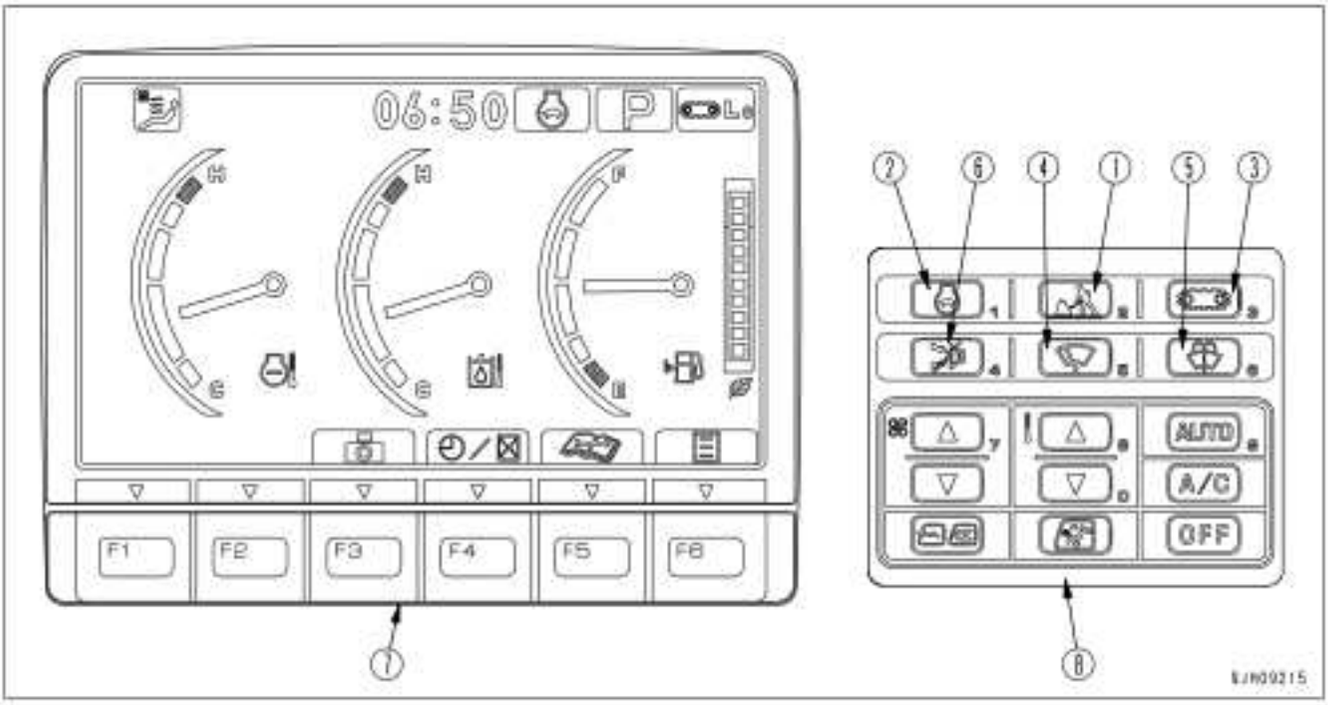
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Monitor Switches Portion

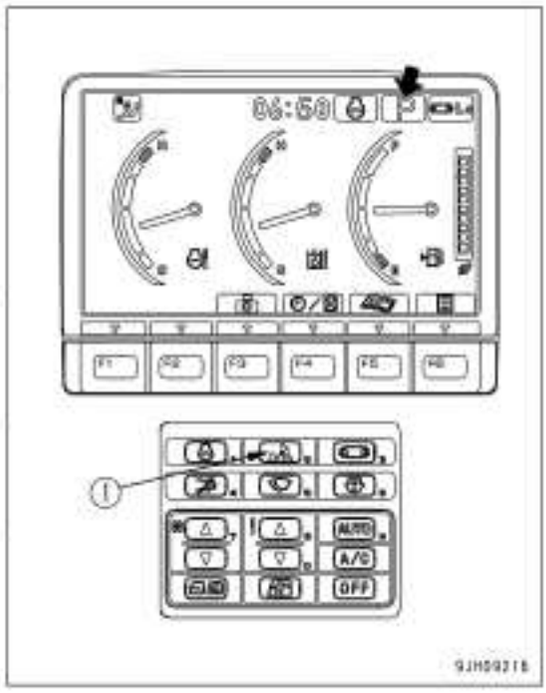


(1) Working mode selector switch
(2) Auto-deceleration switch
(3) Travel speed selector switch
(4) Wiper switch
(5) Window washer switch
(6) Buzzer cancel switch
(7) Function switches
(8) Air conditioner switch

Working Mode Selector Switch

Use this switch (1) to set the movement or power of the work equipment.
The operation becomes easier if the mode is selected to match the content of the operation.
P mode: For heavy-load operations
E mode: For operation with emphasis on fuel consumption
L mode: For fine control operations
B mode: For breaker operations
ATT mode: For double-acting circuit attachment, such as crusher (attachment-ready machines)

- When the monitor first appears, it is automatically set to the mode in use when it was started the previous time.
- Press switch (1) to display the working mode selection screen. For each set mode, the pilot monitor at the top right of the monitor display shows P, E, L, B, ATT.



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EVERY 1000 HOURS MAINTENANCE

Carry out the periodic maintenance work of every 100, 250 and 500 hours of operation at the same time.

REPLACE FUEL MAIN FILTER CARTRIDGE

⚠ WARNING

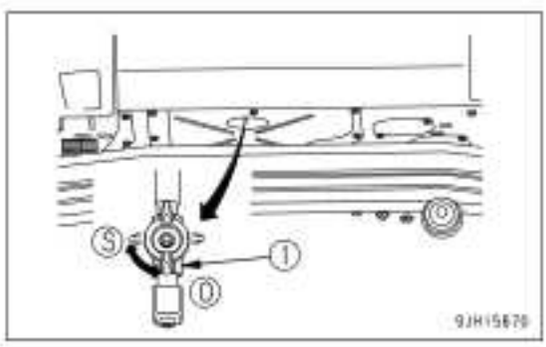
- **After the engine has been operated, all parts are at high temperature, so do not replace the filter immediately. Wait for all parts to cool down before starting the operation.**
- **High pressure is generated inside the engine fuel piping system when the engine is running.**
  When replacing the filter, wait for at least 30 seconds after stopping the engine to let the internal pressure go down before replacing the filter.
- **Do not bring any fire or flame close.**

NOTICE

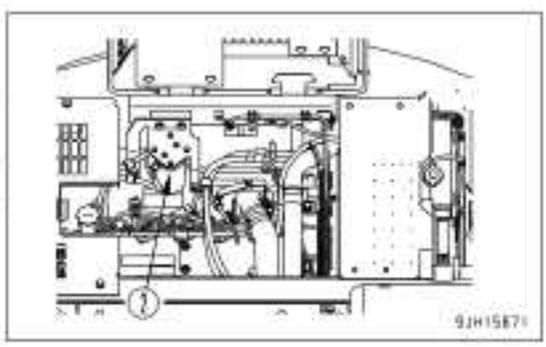
- **Genuine Komatsu fuel filter cartridges use a special filter that has highly efficient filtering ability. When replacing the filter cartridge, always use a genuine Komatsu part.**
- **The common rail fuel injection system used on this machine consists of more precise parts than the conventional injection pump and nozzle.**
  If any part other than a genuine Komatsu filter cartridge is used, dust or dirt may get in and cause problems with the injection system. Always avoid using substitute parts.
- **When carrying out inspection or maintenance of the fuel system, pay more attention than normal to the entry of dirt. If dirt is stuck to any part, use fuel to wash it off completely.**
- **When replacing the fuel filter cartridge, do not disconnect the hose connecting.**

- Prepare a container to catch drain oil.
- Prepare a filter wrench

1. Turn the valve (1) at the bottom of the fuel tank to the CLOSE position (S).



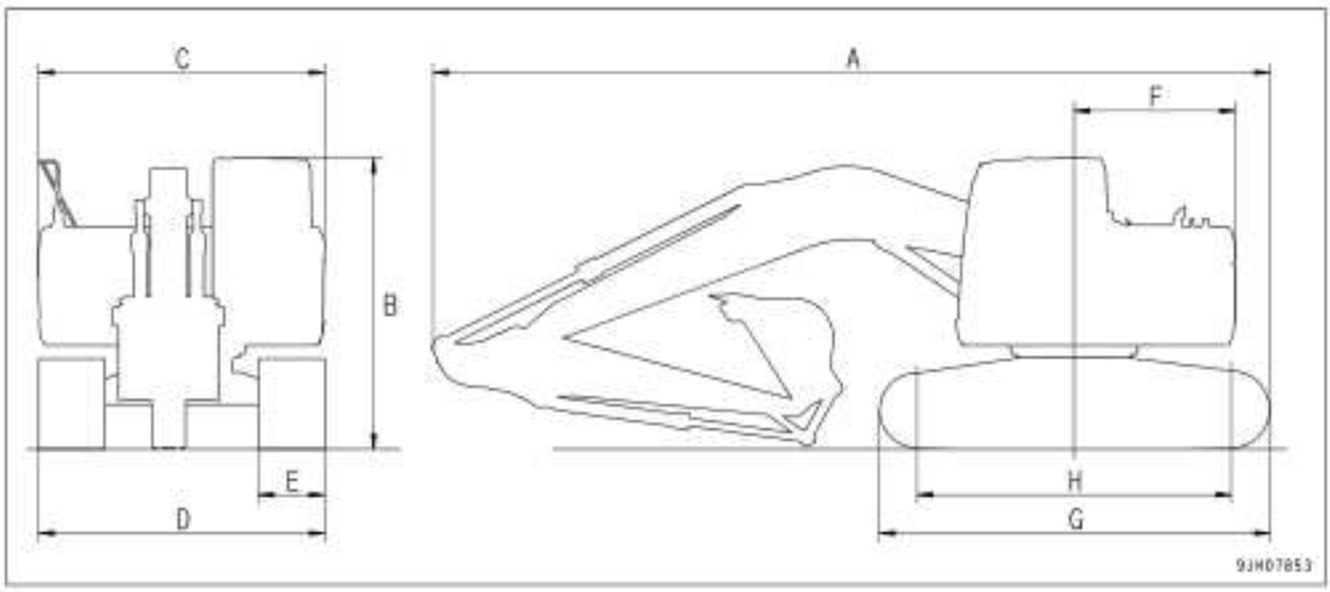
2. Open the engine hood.
3. Set the container to catch the fuel under the filter cartridge.
4. Using a filter wrench, turn filter cartridge (2) counterclockwise to remove it.
5. Clean the filter holder, coat the packing surface of the new filter cartridge thinly with oil, then install the filter cartridge to the filter holder.



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SPECIFICATIONS

	Item	Unit	PC228US-8	PC228USLC-8
	Operating weight	kg (lb)	21,800 (48,069)	23,000 (50,715)
	Bucket capacity	m^3 (cu.yd)	0.8 (1.0)	
	Name of engine	-	KOMATSU SAA6D107E-1 diesel engine	
	Engine horsepower	kW (HP) /rpm	110 (148)/2,000	
A	Overall length	mm (ft in)	8,700 (28' 7")	8,890 (29' 2")
B	Overall height	mm (ft in)	3,035 (9' 11")	3,035 (9' 11")
	Overall width	mm (ft in)	2,980 (9' 9")	3,080 (10' 1")
C	Upper structure width	mm (ft in)	2,980 (9' 9")	2,980 (9' 9")
D	Overll width of track	mm (ft in)	2,800 (9' 2")	3,080 (10' 1")
E	Track width	mm (ft in)	600 (1' 12")	700 (2' 4")
F	Radius of upper structure	mm (ft in)	1,680 (5' 6")	1,680 (5' 6")
G	Length of track	mm (ft in)	4,070 (13' 4")	4,450 (14' 7")
H	Tumbler center distance	mm (ft in)	3,275 (10' 9")	3,655 (11' 12")
	Min. ground clearance	mm (ft in)	440 (1' 5")	440 (1' 5")
	Travel speed (Lo/Mi/Hi)	km/h (MPH)	3.0/4.1/5.5 (1.9/2.5/3.4)	
	Swing speed	rpm	11.0	



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