Operation & Maintenance Manual

UEAM002901

PC750LC-7K
PC750SE-7K

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PC750LC-7K	- K40001 and up
PC750SE-7K	- K40001 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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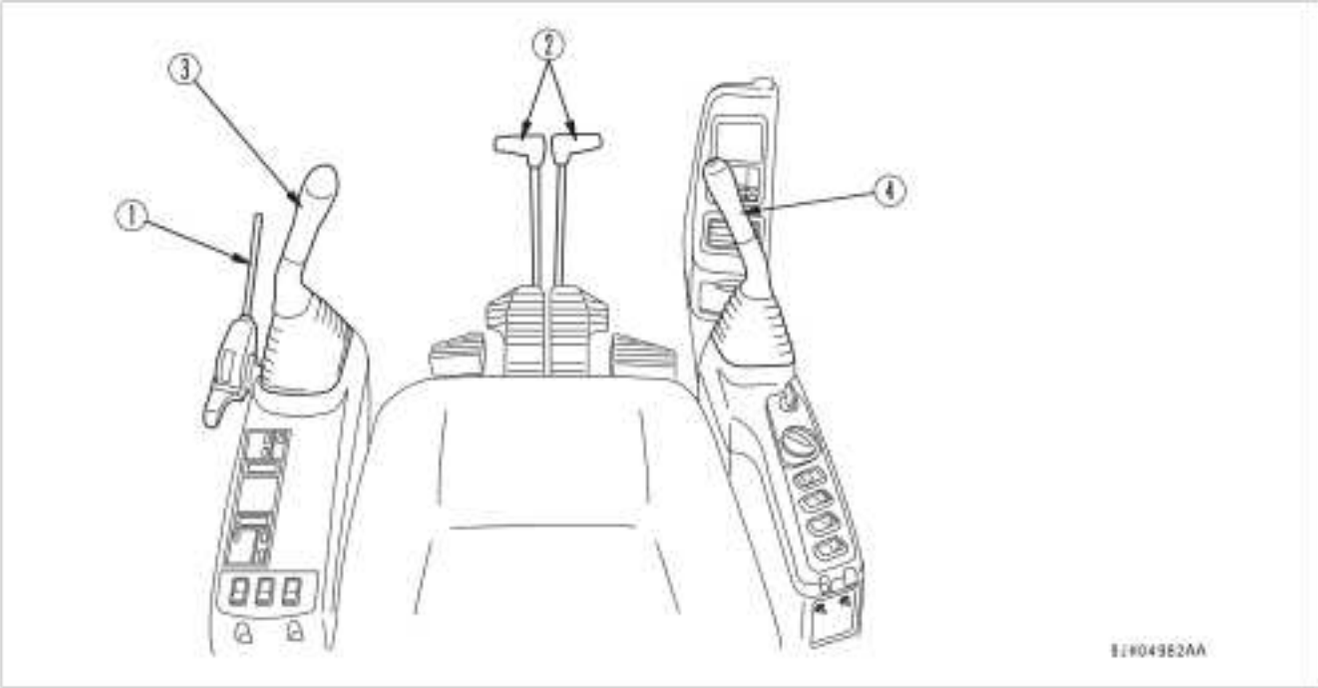
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CONTROL LEVERS AND PEDALS



(1) Safety lock lever	(3) Left work equipment control lever (with auto-deceleration device)
(2) Travel levers (Machines with pedal and auto-deceleration device)	(4) Right work equipment control lever (with auto-deceleration device)

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LUBRICANTS, FUEL AND COOLANT SPECIFICATIONS

PROPER SELECTION

Reservoir	Kind of fluid	AMBIENT TEMPERATURE		Type	CAPACITY	
		Min	Max		Specified	Refill
Engine oil pan	Engine oil	0°C -20° C -15 °C -20° C	40° C 10° C 50° C 40° C	SAE 30 SAE 10W SAE 15W-40 SAE 10W-30	58 liters	53 literss
P.T.O. case		0°C -30°C	40° C 10° C	SAE 30 SAE10W	13.5 liters	13.5 liter
Swing machinery case (each)		-30° C	40° C	SAE 30	24.5 liter	24.5 liter
Final drive case (each)					20 liter	20 liter
Hydraulic system		-30° C -20° C -15° C	40° C 40° C 40° C	SAE 10W SAE 10W-30 SAE 15W-40	800 liter	440 liter
Fuel tank	Diesel fuel (2)	-10° C -30° C	50° C -10° C	ASTM D975 No. 2 ASTM D975 No. 1 (for winter use)	880 liter	
Cooling sytem	Water	Add antifreeze			85 liter	
Grease fitting	Grease	-30° C	40° C	NLGI No. 2		

*1: ASTM D975 No. 1

*2 Use only diesel fuel.

NOTICE
Use only diesel fuel.
The engine mounted on this machine employs electronic control and a high-pressure fuel injection device to obtain good fuel consumption and good exhaust gas characteristics. For this reason, it requires high precision for the parts and good lubrication.
If kerosene or other fuel with low lubricating ability is used, there will be a big drop in durability.

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EVERY 500 HOURS MAINTENANCE

Maintenance for every 10, 100 and 250 hours service should be carried out at the same time.

REPLACE FUEL FILTER CARTRIDGE

(If the optional additional fuel filter cartridge is installed, replace it every 1000 hours)

⚠ WARNING

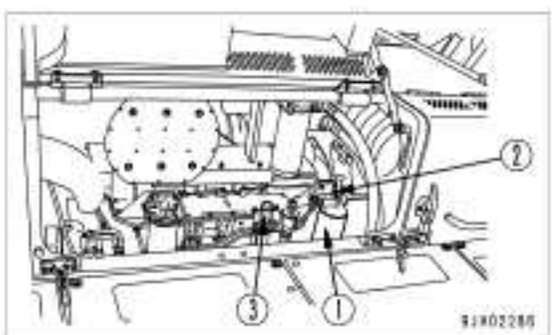
- **After the engine has been operated, all parts are at high temperature, so do not replace the filter immediately. Wait for all parts to cool down before starting the operation.**
- **High pressure is generated inside the engine fuel piping system when the engine is running. When replacing the filter, 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.**

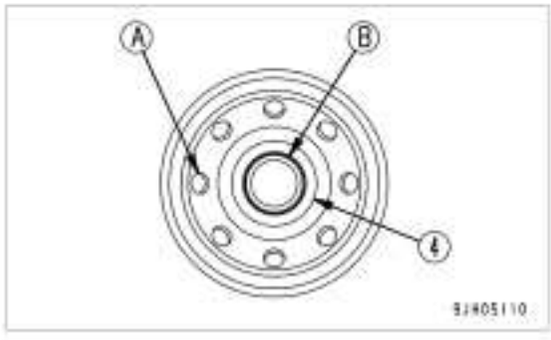
- Container to catch the oil
- Filter wrench

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 the new filter cartridge with clean fuel, coat the packing surface thinly with engine oil, then install to the filter holder.



NOTICE

- **When adding fuel, do not remove cap (4). Always add fuel from the 8 small holes (A) on the dirty side.**
- **After adding fuel, remove cap (4) and install the fuel filter.**
- **Always fill with clean fuel. Be careful not to let any dirt or dust get into the fuel. In particular, center portion (B) is the clean side, so do not remove cap (4) when adding fuel. Be careful not to let dirt or dust get into center portion (B) on the clean side.**



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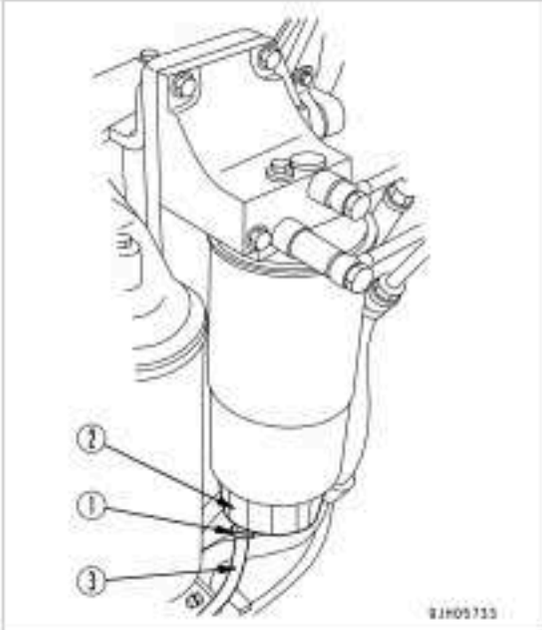
Check For Water and Sediment In Water Separator, Drain Water

1. The water separator is at the bottom and forms one unit with the additional fuel filter.

   The additional fuel filter and water separator can be checked through the access opening in the rear under-cover.



2. It is possible to judge the water level and amount of sediment by looking through transparent cap (2). If there is any water or sediment collected at the bottom, set a container to catch the drain water under drain hose (3).
3. Loosen valve (1) and drain the water.
4. When fuel comes out from drain hose (3), tighten thread (1) immediately.



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