SEAM018304T-00

Operation & Maintenance Manual

avance

PC1100-6
PC1100LC-6
PC1100SP-6

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC1100-10115
PC1100LC-10115 and up
PC1100SP-10115

September 2006

KOMATSU

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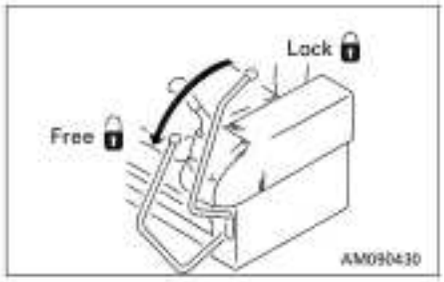
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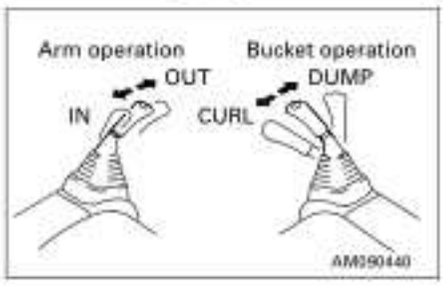
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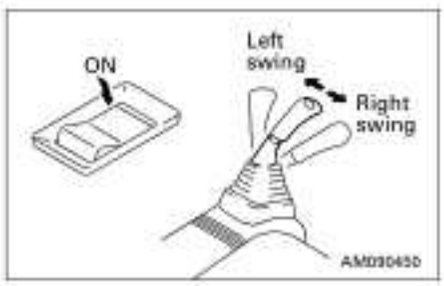
3. Set the safety lock lever ③ to the FREE position, and raise the bucket from the ground.



4. Operate bucket control lever ④ and arm control lever ⑤ slowly to move the bucket cylinder and arm cylinder to the end of the stroke.



5. Carry out bucket and arm operation for 5 minutes at full stroke, alternating between bucket operation and arm operation at 30 second intervals.

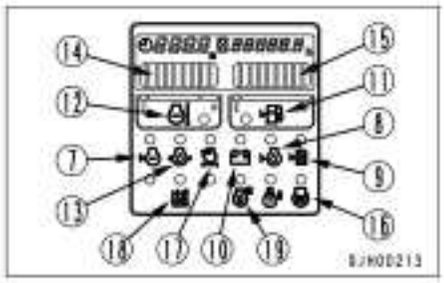


NOTICE

When the work equipment is retracted, take care that it does not interfere with the machine body or ground.

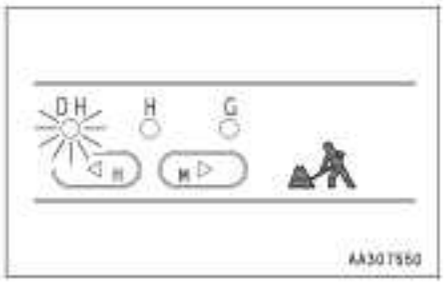
6. After carrying out the warming-up operation, check that each gauge and monitor lamp is in the following condition.

- Radiator water level monitor ⑦: OUT
- Engine oil level monitor ⑧: OUT
- Hydraulic oil level monitor ⑨: OUT
- Charge level monitor ⑩: OUT
- Fuel level monitor ⑪: OUT
- Engine water temperature monitor ⑫: OUT
- Engine oil pressure monitor ⑬: OUT
- Engine water temperature gauge ⑭: Inside green range
- Fuel gauge ⑮: Inside green range
- Engine pre-heating monitor ⑯: OUT
- Air cleaner clogging monitor ⑰: OUT
- Hydraulic oil temperature monitor ⑱: OUT
- Engine oil change monitor (set machine only) ⑲: OUT



7. Check that there is no abnormal exhaust gas color, noise, or vibration. If any abnormality is found, repair it.

8. Press working monitor mode switch ② until required operation mode lamp is turned on.



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24.8 EVERY 500 HOURS SERVICE

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

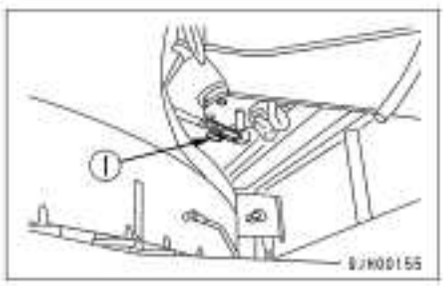
24.8.1 REPLACE FUEL FILTER CARTRIDGE

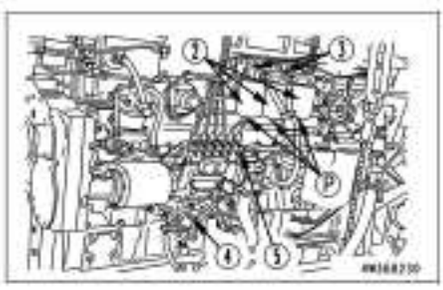
⚠WARNING

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

Prepare the following.
- Container to catch oil
- Filter wrench

1. Close feed valve ① at the bottom of the fuel tank.
2. Set the container under the filter cartridge to catch the oil.
3. Remove drain plug Ⓟ of the filter cartridge and drain the oil.
4. Using a filter wrench, turn filter cartridge ② to the left and remove it.
5. Clean the filter head, fill the new filter cartridge with clean fuel, then coat the packing surface thinly with engine oil, and install to the filter holder.
6. When installing, tighten so that the packing surface is in contact with the seal surface of the filter holder, then tighten a further 1/2 – 3/4 turns.
   If the filter cartridge is tightened too much, the packing will be damaged and this will cause leakage of fuel. If the packing is not tightened sufficiently, fuel will leak from the clearance. Always be careful to tighten to the correct angle.
7. After replacing filter cartridge ②, loosen air bleed plug ③ in the filter cartridge, then open feed valve ①.
8. Fill the fuel tank with fuel (until the fuel gauge is at the FULL position).
9. Loosen the knob of feed pump ④, then operate it up and down until no more bubbles come out with the fuel from air bleed plug ③.
10. Tighten air bleed plug ③, then push in the knob of feed pump ④, and lock it in position.





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Types of track shoe

Shoe		Double grouser shoe				
Model		PC1100-6		PC1100SP-6	PC1100LC-6	
Shoe width	mm	700 (27.6 in) (STD)	1000 (39.4 in)	700 (27.6 in) (STD)	1000 (39.4 in) (STD)	1200 (47.3 in)
Overall width of crawler	mm	4600 (15'1")	4900 (16'1")	4600 (15'1")	4900 (16'1")	5100 (16'9")
Ground pressure	kPa	132 (1.35 kg/cm²)	92 (0.94 kg/cm²)	133 (1.36 kg/cm²)	85 (0.87 kg/cm²)	72 (0.74 kg/cm²)
Category of use		A	B	A	B	C

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