SEAM002407

Operation & Maintenance Manual

PC200, 200LC-6
PC210, 210LC-6 MIGHTY
PC220, 220LC-6
PC230, 230LC-6 MIGHTY

HYDRAULIC EXCAVATOR

SERIAL NUMBERS

PC200, 200LC-	102209	and up
PC210, 210LC-	31425	
PC220, 220LC-	53526	
PC230, 230LC-	10247	

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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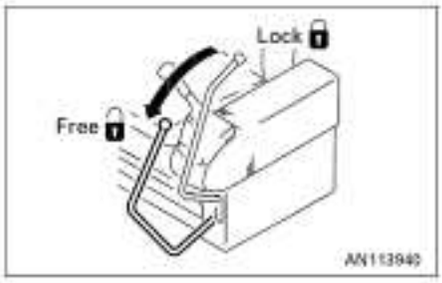
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SPECIFICATIONS

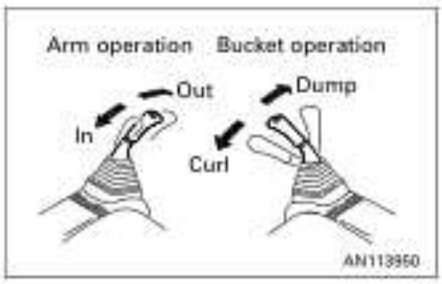
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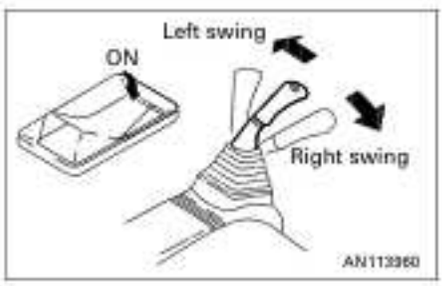
3. Set the safety lock lever ③ to the FREE position, and raise the bucket from the ground.



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.
If the swing lock switch ⑥ is set to the ON (actuated) position and swing control lever ⑤ is operated at full stroke, oil temperature-rise can be increased earlier.

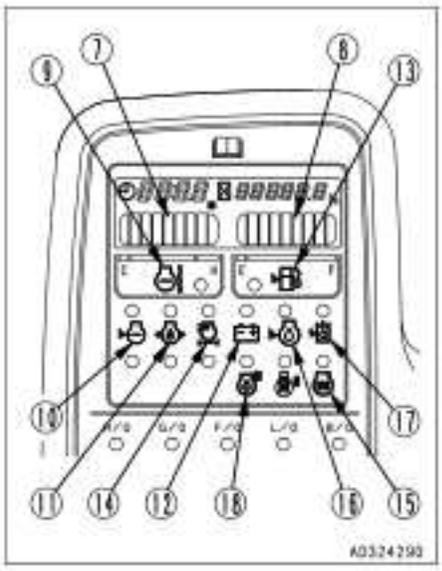


NOTICE

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.

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



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

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24.3.7 LUBRICATE CLAMSHELL BUCKET (12 POINTS)



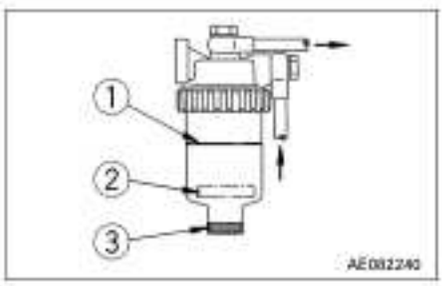
- Prepare a grease pump.

1. Place the work equipment on the ground in a stable posture and stop the engine.

2. Using a grease gun, pump in grease through the grease fittings (12 points) shown by arrows.

3. After greasing, wipe off any old grease that was pushed out.

24.3.8 CHECK FOR WATER AND SEDIMENT IN WATER SEPARATOR, DRAIN WATER (OPTION)



The water separator separates water mixed in the fuel. If float ② is at or above red line ①, drain the water according to the following procedure:

1. Loosen drain plug ③ and drain the accumulated water until the float reaches the bottom.

2. Tighten drain plug ③.

3. If the air is sucked into fuel line when draining and water, be sure to bleed air in the same manner as for the fuel filter. See "24.6 EVERY 500 HOURS SERVICE".

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PC220, 220LC-6
PC230, 230LC-6 MIGHTY

		PC220-6	PC220LC-6	PC230-6 MIGHTY	PC230LC-6 MIGHTY
WEIGHT					
• Operating weight (without operator)		22100 kg (48730 lb)	23400 kg (51600 lb)	23300 kg (51380 lb)	24300 kg (53580 lb)
PERFORMANCE					
• Bucket capacity (standard bucket) SAE/CECE		1.0 m³ (1.3 cu.yd)/0.9 m³			
• Width of opening	(Standard bucket)	1155 mm (46 in)			
	(With side cutter)	1260 mm (50 in)			
• Travel speed	Low speed	3.0 km/h (1.8 MPH)			
	Middle speed	4.1 km/h (2.5 MPH)			
	High speeed	5.5 km/h (3.4 MPH)			
• Swing speed		12.4 rpm			
TRACK SHOE					
• Triple grouser shoe (standard)		600 mm (24 in) width	700 mm (28 in) width	600 mm (24 in) width	
ENGINE					
• Model		Komatsu SA6D102E-1-A diesel engine			
• Flywheel horsepower		117 kW (158 HP)/2000 rpm			
• Starting motor		24 V 4.5 kW			
• Alternator		24 V 35 A			
• Battery		12 V 110 Ah x 2 pieces			

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