EEAM008801

Operation & Maintenance Manual

KOMATSU®

PC150-6K
PC150LC-6K

HYDRAULIC EXCAVATORS

SERIAL NUMBERS

PC150-6K - K30001 and up
PC150LC-6K - K30001

November 1997

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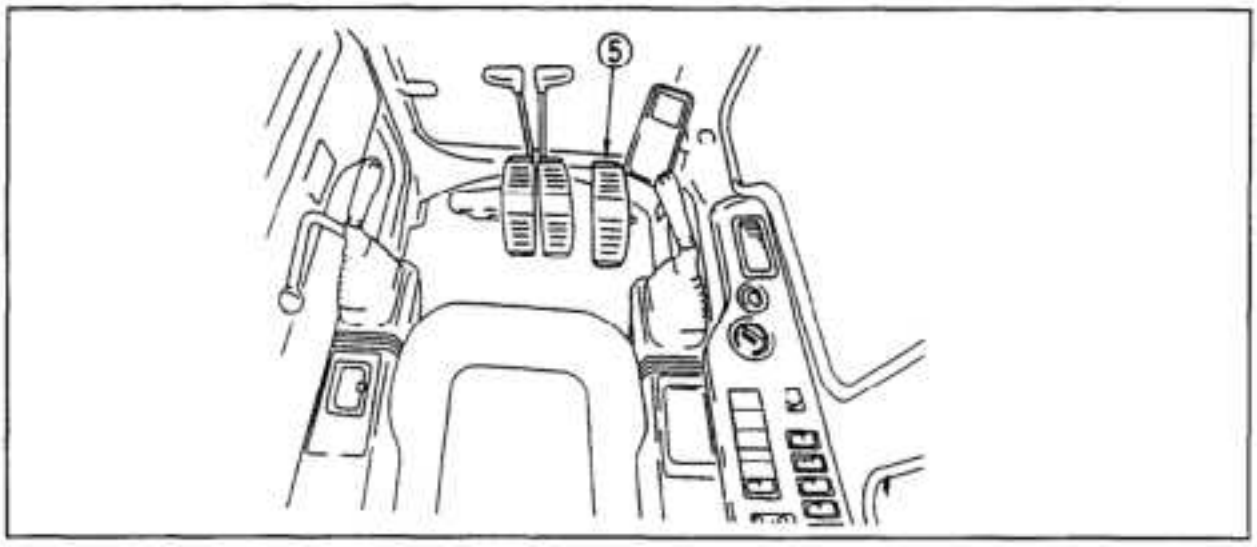
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5. ATTACHMENT CONTROL PEDAL

⚠ WARNING

Do not put your foot on the pedal except when operating the pedal. If resting your foot on the pedal during operation, and it is depressed by accident by accident, the attachment may move suddenly and cause serious damage or injury.

When breaker is installed

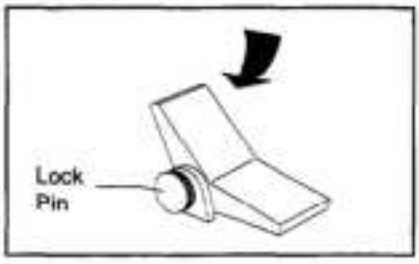
- When the front part of the pedal is depressed, the breaker is actuated.
- Screw lock pin into hole in pedal to lock(Pedal is disabled. Unscrew completely to unlock).
- Set the working mode to the breaker (B.O) and unlock pedal.

When general attachment is installed:

- When the pedal is depressed, the attachment is actuated.
- Unlock the pedal to operate.

When no attachment is fitted or when attachment operation is not required:

- Lock pedal using lock pin.



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24.5.3 CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

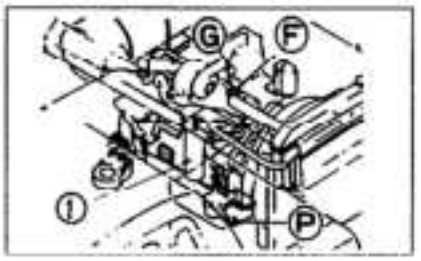
Perform this maintenance every 500 hours on machines equipped with bypass filter.

⚠ WARNING

The oil is at high temperature after the engine has been operated, so never change the oil immediately after finishing operations. Wait for the oil to cool down before changing it.

Prepare the following

- Container to catch drained oil: Min 16.0 /capacity (PC150/150LC-6) (4.2 US gal)
- Refill capacity. /16.0 /(PC 150/150LC-6)
- Filter wrench



1. Remove the inspection cover of the undercover directly under drain plug Ⓟ under the machine, then place a container to catch the oil.
2. Lower the lever of drain valve Ⓟ slowly to to prevent getting oil on yourself, and drain the oil. After draining the oil, raise the lever to close the valve.
3. Check the drained oil, and if there are excessive metal particles or foreign material, please contact your distributor.
4. Tighten drain valve Ⓟ.
5. Using the filter wrench from the lower side of the engine, turn filter cartridge ① counterclockwise to remove it.
   In particular, if this operation is carried out immediately after stopping the engine, a large amount of oil will come out, so wait for 10 minutes before starting the operation.
6. Clean the filter holder.

REMARK

Confirm that no remnants of old packing still adhere to the filter holder as this may result in oil leakage.

NOTICE: Do not tighten filter or use any tools for installation be cause this can damage the gasket and filter.

7. Fill the new filter with clean oil.
8. Install the new filter by applying a little engine oil to the seal and thread the filter on by hand by turning it clockwise until hand tight.
9. After replacing the filter cartridge, add engine oil throughoil filler Ⓕ until the oil level is between the H and L marks on dipstick Ⓖ.

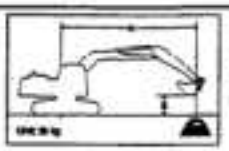
For details of the oil to use, see 20 "USE OF FUEL, COOLANT AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE" on page 3-12.

NOTICE

Even if the machine has not been operated for 500 hours, the oil and filter cartridge must be replaced when the machine has been operated for 6 months.

In the same way, even if the machine has not been operated for 6 months, the oil and filter cartidge must be replaced when the machine has been operated for 500 hurs.

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- Boom:16'11" 5150 mm
- Bucket: .50 yd³ 0.38 m³
- Shoes: 24" 600 mm
- Lifting Mode

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⟷: Rating at maxium reach

Ratings are based on SAE Standard No.J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tip load. *Load is limited by hydraulic capacity rather than tipping.

Arm: 7'5" 1800 mm — Unit: lb kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.5 m		20' 6.0 m		25' 7.6 m		⟷ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
20' 6.0 m											*6,000 *3650	6,000 3750
15' 4.5 m					*11,000 *5000	9,800 4450	8,500 3850	5,900 2700			6,700 3050	4,600 2000
10' 3.0 m					13,200 6000	9,000 4050	8,200 3700	5,600 2550			5,900 2650	4,000 1800
5' 1.5 m					12,300 5600	8,200 3700	7,800 3550	5,300 2400			5,600 2550	3,700 1700
0' 0.0 m					11,800 5350	7,700 3500	7,600 3450	5,100 2300			5,800 2600	3,800 1750
-5' -1.5 m			*20,800 *9400	14,600 6600	11,700 5300	7,700 3500	7,500 3400	5,000 2250			5,500 2550	4,300 1950
-10' -3.0 m			*19,200 *8700	15,200 6850	12,000 5450	7,900 3600					8,500 3850	5,700 2600

Arm: 7'6" 2250 mm — Unit: lb kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.5 m		20' 6.0 m		25' 7.6 m		⟷ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
20' 6.0 m							*7,100 *3200	6,000 2700			*4,600 *2100	*4,600 *2100
15' 4.5 m					*9,900 *4500	9,900 4500	8,500 3850	5,900 2700			*4,500 *2050	4,100 1850
10' 3.0 m			*19,300 *8750	17,300 7650	*12,500 *5650	9,000 4100	8,200 3700	5,600 2550	5,500 2450	3,600 1650	*4,600 *2100	3,500 1600
5' 1.5 m					12,300 5600	8,200 3700	7,800 3500	5,200 2350	5,300 2400	3,500 1600	*5,000 *2300	3,300 1500
0' 0.0 m			*12,600 5700	*12,600 *5700	11,700 5300	7,600 3450	7,500 3400	4,900 2250	5,200 2350	3,400 1550	5,200 1550	3,400 1550
-5' -1.5 m	*11,700 *5300	*11,700 *5300	*20,700 *9300	14,300 6450	11,300 5250	7,500 3400	7,300 3300	4,800 2200			5,800 2600	3,800 1700
-10' -3.0 m	*20,400 *9250	*20,400 *9250	*20,700 *9400	14,700 6550	11,700 5300	7,600 3450	7,500 3400	4,900 2250			7,400 3350	4,900 220
-15' -4.5 m			*13,600 *6250	*13,600 *6250							*6,600 4000	6,200 3750

Arm: 8'6" 2600 mm — Unit: lb kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.5 m		20' 6.0 m		25' 7.6 m		⟷ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
20' 6.0 m							*6,900 *3150	6,100 2750			*3,700 *1700	*3,700 *1700
15' 4.5 m					*11,700 5300	9,200 4200	*8,200 *3700	6,000 2700			*3,700 *1650	*3,700 1650
10' 3.0 m			*17,100 *7750	*17,100 *7750	12,300 5550	8,100 3700	8,200 3750	5,600 2550	5,500 2500	3,600 1650	*3,800 *1700	3,300 1500
5' 1.5 m			*14,800 *6750	*14,800 *6750	11,800 5350	7,700 3500	7,800 3550	5,200 2350	5,300 2400	3,500 1550	*4,200 *1900	3,100 1400
0' 0.0 m			*14,100 *6400	*14,100 *6400	11,500 5200	7,400 3350	7,500 3400	4,900 2200	5,200 2350	3,300 1500	4,800 220	3,100 1400
-5' -1.5 m	*11,200 *5050	*11,200 *5050	*20,000 *9100	14,200 6450	11,600 5250	7,600 3400	7,300 3300	4,700 2150			5,300 2400	3,400 1550
-10' -3.0 m	*18,300 *8300	*18,300 *8300	*22,00 *9950	14,600 6600	*10,600 *4900	7,900 3600	7,300 3350	4,800 2200			6,600 3000	4,300 1950
-15' -4.5 m			*16,100 *7300	15,300 6950							*9,200 *4150	6,900 3100

Arm: 9'6" 2900 mm — Unit: lb kg

A / B	5' 1.5 m		10' 3.0 m		15' 4.5 m		20' 6.0 m		25' 7.6 m		⟷ MAX	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
20' 6.0 m							*6,800 *3050	6,200 2850			*3,300 *1500	*3,300 *1500
15' 4.5 m							*7,800 *3550	6,100 2750	*4,800 *2200	3,800 1750	*3,200 *1450	*3,200 *1450
10' 3.0 m			*15,800 *7150	*15,800 *7150	*11,000 *5000	9,400 4250	8,300 3800	5,700 2600	5,600 2500	3,700 1700	*3,300 *1500	3,100 1400
5' 1.5 m			*19,300 *8750	15,700 7100	12,300 5550	8,400 3800	7,900 3550	5,300 2400	5,400 2450	3,500 1600	*3,600 *1650	2,900 1300
0' 0.0 m			*14,900 *6750	14,400 6500	11,800 5350	7,700 3500	7,500 3400	4,900 2250	5,200 2350	3,400 1500	*4,200 *1900	2,900 1300
-5' -1.5 m	*10,500 *4750	*10,500 *4750	*19,300 *8750	14,100 6400	11,500 5200	7,400 3350	7,300 3300	4,700 2150	5,100 2300	3,300 1500	5,600 2550	3,200 1450
-10' -3.0 m	*16,800 *7600	*16,800 *7600	*22,800 *10350	14,400 6500	11,700 5300	7,600 3450	7,300 3300	4,700 2150			6,100 2750	4,000 1800
-15' -4.5 m			*17,600 *8000	15,000 6800							*9,000 *4050	5,900 2700

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