CEAM207074
REPLACES SEAMA2070503 & CEAM207073

OPERATION & MAINTENANCE MANUAL

KOMATSU®

PC300-5
PC300LC-5
PC300LC-5K
PC300-5 MIGHTY
PC300LC-5 MIGHTY
PC300HD-5

HYDRAULIC EXCAVATOR

SERIAL NUMBERS	PC300-5	21401	
	PC300LC-5	21401	
	PC300LC-5	A70501	and up
	PC300LC-5K	K20001	
	PC300-5 MIGHTY	21401	
	PC300LC-5 MIGHTY	21401	
	PC300HD-5	21401	

DEC 94

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GENERAL LOCATIONS AND SPECIFICATIONS

1. Bucket
2. Bucket cylinder
3. Arm
4. Arm cylinder
5. Boom
6. Boom cylinder
7. Sprocket
8. Track frame
9. Idler
10. Track shoe

MACHINE MODEL		PC300 -5	PC300LC-5 & PC300LC-5K	PC300-5 MIGHTY	PC300LC-5 MIGHTY	PC300HD -5
PERFORMANCE Bucket capacity (m^3)	[SAE]	1.32	1.32	1.32	1.32	1.32
	[CECE]	1.2	1.2	1.2	1.2	1.2
Travel speed (km/h)	Hi	5.5	5.5	5.5	5.5	4.4
	Lo	3.4	3.4	3.4	3.4	2.5
Swing speed (rpm)		10	10	10	10	10
OPERATING WEIGHT (kg)		29800	31000	30400	31200	36000
ENGINE Model		Komatsu SA6D108 Diesel Engine				
Flywheel horsepower (HP) [Rated rpm]		207 [1950]	207 [1950]	207 [1950]	207 [1950]	207 [1950]

NOTE: Specifications are subject to change without notice.

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F: SWITCHES

1. WORKING MODE SELECTOR SWITCH (BASIC MODE)

This switch is used to set the movement or power for the work equipment to match the content or purpose of the operation.

H.O (heavy-duty operation mode) lights up:

This is used for heavy-duty work.

G.O (general operation mode) lights up:

This is used for ordinary work.

F.O (finishing operation mode) lights up:

This is used for leveling or grading work.

L.O (lifting operation mode) lights up:

This is used for fine control operations.

★ When starting the engine, the general operation mode (S mode) is automatically selected.

2. POWER MODE SWITCH (SELECTED MODE)

This switch is used to set output force for the work equipment to match the content or soil quality for the operation.

H lights up:

This is used for high productivity loading operations.

S lights up:

This is used for normal operations.

L lights up:

This is used for grading or other light-duty operations.

3. AUTO-DECELERATION SWITCH (SELECTED MODE)

This switch is used to actuate the auto-deceleration system so that the engine speed is lowered when all the control levers are at neutral.

ON lights up:

Auto-deceleration is actuated

OFF lights up:

Auto-deceleration is canceled

★ For the use of switches 1, 2, and 3, see METHOD OF USING MODE SELECTOR SWITCHES.

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PC300, 300LC, 300HD-5

(a): weight : 6.1 ton
capacity : 6.96 x 3.31 x 1.47 — 33.8 m^3
(b): weight : 18.3 ton (19.5 ton) [24.3 ton]
capacity : 5.27 x 3.07 x 3.19 — 52.1 m^3
(5.42 x 3.07 x 3.29 — 54.7 m^3)
[5.53 x 3.18 x 3.08 — 54.2 m^3]
(c): weight : 5.4 ton
capacity : 2.96 x 1.14 x 0.59 — 2.0 m^3
(d): weight : 2.5 ton
capacity : 4.53 x 1.84 x 1.42 — 11.8 m^3
(e): weight : 2.5 ton
capacity : 5.87 x 1.07 x 1.49 — 9.3 m^3
(f): weight : 3.4 ton
capacity : 6.7 x 1.56 x 0.94 — 9.8 m^3
(g): weight : 1.5 ton
capacity : 4.29 x 0.85 x 0.52 — 1.9 m^3
(h): weight : 1.0 ton
capacity : 1.83 x 1.07 x 1.49 — 2.9 m^3

( ): PC300LC-5
[ ]: PC300HD-5

PC300, 300LC-5 MIGHTY

(a): weight : 6.5 ton
capacity : 6.96 x 3.31 x 1.47 — 33.8 m^3
(b): weight : 18.5 ton (19.3 ton)
capacity : 5.27 x 3.07 x 3.19 — 52.1 m^3
(5.42 x 3.07 x 3.19 — 53.1 m^3)
(c): weight : 6.0 ton
capacity : 2.96 x 1.14 x 0.59 — 2.0 m^3
(d): weight : 2.8 ton
capacity : 4.53 x 1.84 x 1.42 — 11.8 m^3
(e): weight : 2.8 ton
capacity : 5.87 x 1.07 x 1.49 — 9.3 m^3
(f): weight : 3.7 ton
capacity : 6.7 x 1.56 x 0.94 — 9.8 m^3
(g): weight : 1.5 ton
capacity : 4.29 x 0.85 x 0.52 — 1.9 m^3
(h): weight : 1.3 ton
capacity : 1.83 x 1.07 x 1.49 — 2.9 m^3

( ): PC300LC-5 MIGHTY

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No.	ITEM	SERVICE	PAGE
-12	Bucket-Link coupling pin	Lubricate 1 point	130

EVERY 250 HOURS SERVICE

(The items marked * are carried out after the first 250 hours only for new machines.)

*	Fuel filter	Replace cartridge	132
*	Engine valve clearance	Check and adjust	132
a	Final drive case	Check and supply	132
b	Engine oil pan and filter	Change oil and replace cartridge	132
c	Fan belt	Check tension	134
d	Hydraulic filter	Replace element	134
e	Swing circle	Lubricate 3 points	136
f	Battery electrolyte	Check fluid level	136
g	Water pump belt	Check and adjust	136
h	Fuel filter	Drain water and sediment	138
i	Hydraulic tank breather	Replace element	138

EVERY 500 HOURS SERVICE

a	Swing circle pinion	Lubricate with grease	140
b	Radiator fins and oil cooler fins	Clean	140
c	Fuel filter	Replace cartridge	142

EVERY 1000 HOURS SERVICE

a	Swing machinery case	Change oil	144
b	Damper case	Check and supply	144
c	Turbocharger clamping joint	Check and retighten	144

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