EEBM001304

SHOP MANUAL

KOMATSU®

PC450, 450LC-6K

MACHINE MODEL	SERIAL NUMBER
PC450-6K	K30001 and up
PC450LC-6K	K30001 and up

- This shop manual may contain attachements and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice

- PC450-6k mounts the MTA 11 engine

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WEIGHT TABLE

Unit: kg

Machine model	PC450-6	PC450LC-6
Serial Number	K30001 and up	K30001 and up
Engine assembly	1,429	1,429
• Engine	981	981
• Damper	14.7	14.7
• Hydraulic pump	210	210
Radiator, oil cooler assembly	185	185
Hydraulic tank, filter assembley (excl. hydraulic oil)	254	254
Fuel tank (excl. fuel)	235	235
Revolving frame	3,111	3,111
Operator's cab	287	287
Operator's seat	29	29
Counterweight	8,890	8,890
Swing machinery	535	535
Control valve (standard)	256	256
Swing motor	80	80
Travel motor	252 x 2	252 x 2
Center swivel joint	38	38
Track frame assembly:-		
600 mm shoe	15,180 (std)	15,520
700 mm shoe	16,358	16,698 (std)
800 mm shoe	16,808	17,148
• Track frame:-	6,905	7,209
Center frame	3,433	3,433
Frame (L.H.)	1,736	1,888
Frame (R.H.)	1,736	1,888
• Swing circle	605	605
• Idler	235	235
• Idler cushion	370 x 2	370 x 2
• Carrier roller	31 x 4	31 x 4
• Track roller	72 x 14	72 x 16
• Final drice (incl. travel motor)	788 x 2	788 x 2

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Unit: kg

Machine model	PC450-6k	PC450LC-6k
Serial Number	K30001 and up	K30001 and up
Track shoe assembly		
Standard triple grouser shoe (600 mm)	4,420	4,720
Standard triple grouser shoe (700 mm)	4,840	5,160
Wide triple grouser shoe (800 mm)	5,280	5,620
Boom assembly	3,264	3,264
Arm assembly (with bucket cylinder and linkage)	2,120	2,120
Bucket assembly	1,300	1,300
Boom cylinder assembly	390 x 2	390 x 2
Arm cylinder assembly	555	555
Bucket cylinder assembly	345	345
Link assembly	394	394
Boom pin	92 + 20 x 2 + 86 + 27 + 54	92 + 20 x 2 + 86 + 27 + 54
Arm pin	17 + 23	17 + 23
Bucket pin	38 x 2	38 x 2
Link pin	34 x 2	34 x 2

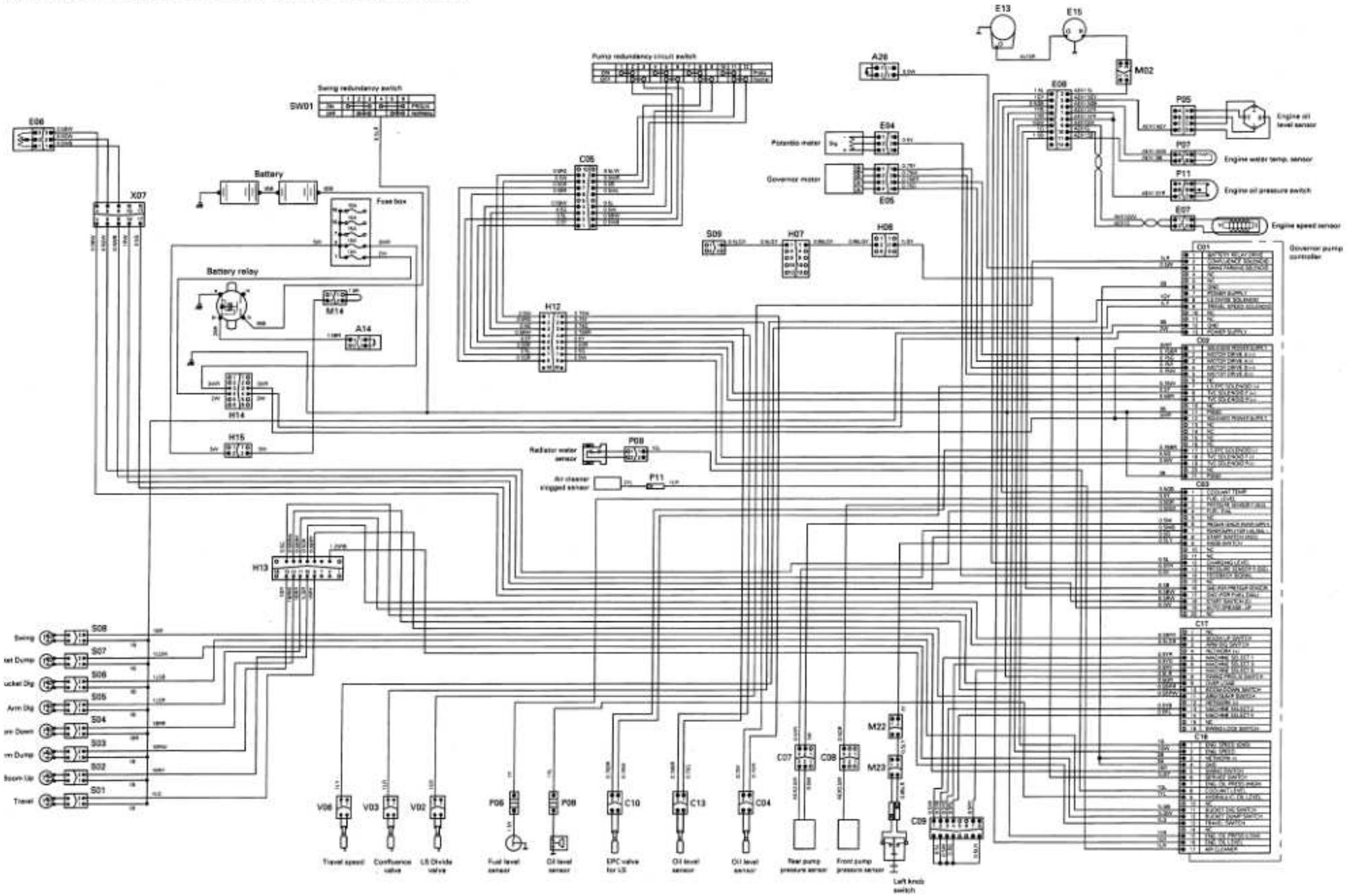
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FUEL, COOLANT AND LUBRICANTS

RESERVOIR	KIND OF FLUID	AMBIENT TEMPERATURE	CAPACITY (ℓ)	
Add antifreeze		-22 -4 -14 32 50 68 86 104°F -30 -20 -10 0 10 20 30 40°C	Specified	Refill
Engine oil pan	Engine oil	SAE 30 SAE 10W SAE 10W-30 SAE 15W-40 SYNTHETIC 5W-30	44.7	42
Swing machinery case	Engine oil	SAE 30	21.5	21.5
Final drive case (each side)	Engine oil	SAE 30	12	11.5
Damper case	Engine oil	SAE 30	1.25	-
Idler (1 each)	Engine oil	SAE 30	0.34 - 0.36	0.34 - 0.36
Track roller (1 each)	Engine oil	SAE 30	0.28 - 0.31	0.28 - 0.31
Carrier roller (1 each)	Engine oil	SAE 30	0.45 - 0.50	0.45 - 0.50
Hydraulic system	Engine oil	SAE 10W SAE 10W-30 SAE 15W-40	370	270
	Hydraulic oil	HO46-HM (★)		
Fuel tank	Diesel fuel	ASTM DG75 No. 2 ASTM D975A No. 1	605	-
Cooling system	Coolant	Add antifreeze	42.3	-

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LECTICAL CIRCUIT DIAGRAM FOR C MODE



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