EEBM001101

SHOP MANUAL

KOMATSU®

PC160-6k
PC180LC, 180NLC-6k

MACHINE MODEL
PC160-6k
PC180LC, 180NLC-6k

SERIAL NUMBER
K30001 and up
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

- PC160-6k mount the SA4D102E engine;
  PC180LC-6k, PC180NLC-6k mount the SA4D102E engine.
  For details of the engine, see the 102 Service Engine Shop Manual.

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01 GENERAL

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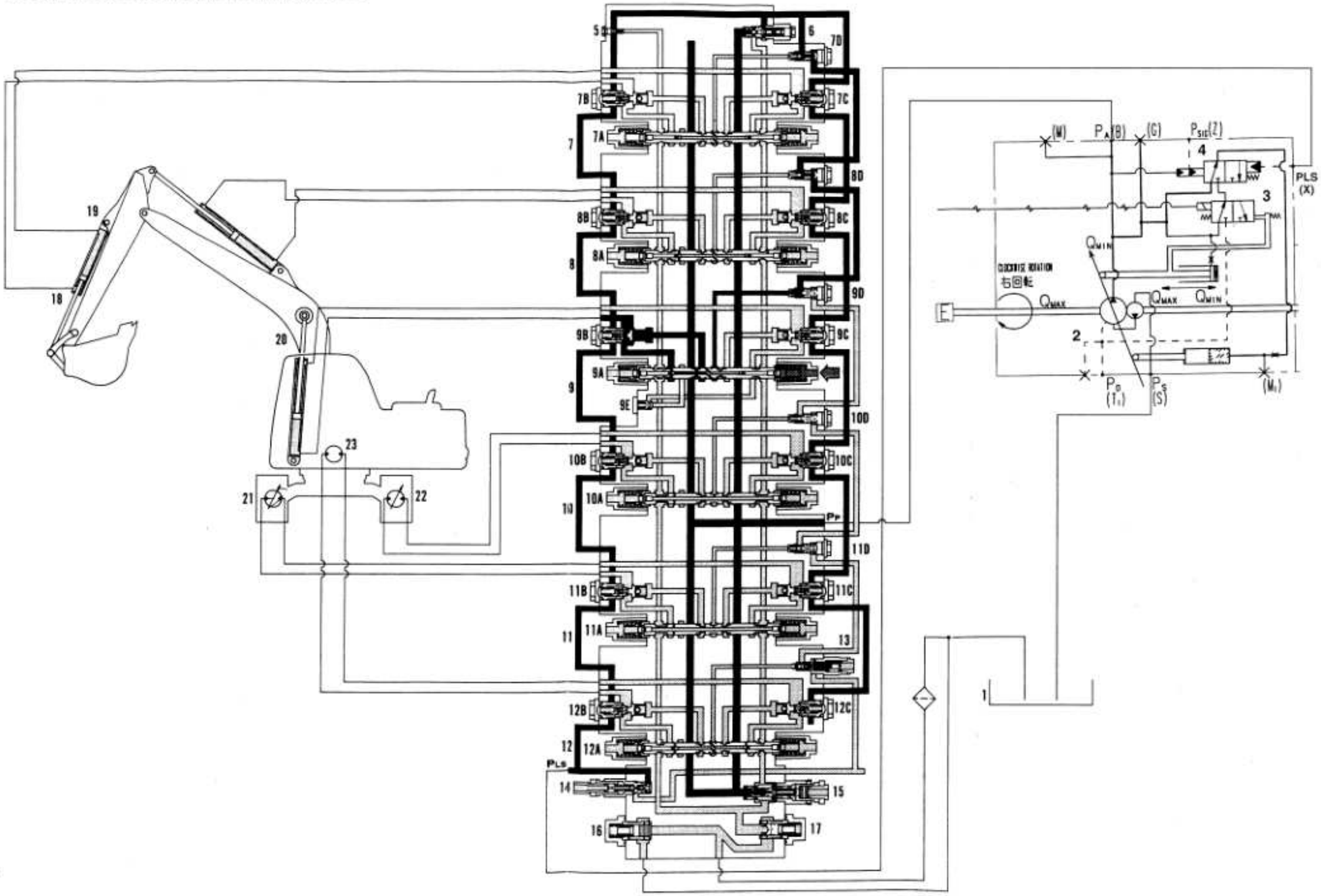
SPECIFICATIONS

				PC180LC-6K	PC160-6K
		Machine model		PC180LC-6K	PC160-6K
		Serial Number		and up	and up
		Bucket capacity	(SAE) (m^3)	0.67	0.58
		Operating weight	(kg)	17900 (with 2.25 m ARM)	16300 (with 2.25 m ARM)
Performance	Working range	Max. digging depth	(mm)	5610	5645
		Max. digging depth of cut for 8 level	(mm)	5375	5415
		Max. digging reach	(mm)	8675	8675
		Max. reach at ground level	(mm)	8510	8515
		Max. digging height	(mm)	8840	8800
		Max. dumping height	(mm)	6230	6190
		Max. digging force (using power max. function)	(kN(kg))	115 (11700)	115 (11700)
		Swing speed	(rpm)	12	12
		Swing max. slope angle	(deg.)	20	20
		Travel speed	(km/h)	Lo: 2.7 Mi: 4 Hi: 5.5	Lo: 2.7 Mi: 4 Hi: 5.5
		Gradeability	(deg.)	35	35
		Gound pressure [standard triple grouser shoe width]	(MPa(kg/cm^2))	0.041 (0.42) [600 mm]	0.051 (0.52) [500 mm]
Dimensions		Overall length (for transport)	(mm)	8560	8565
		Overall width	(mm)	2780	2490
		Overall width of track	(mm)	2780	2490
		Overall height (for transport)	(mm)	2960	2945
		Overall height to top of cab	(mm)	2930	2890
		Ground clearance of counterweight	(mm)	1030	990
		Min. ground clearance	(mm)	440	440
		Tail swing radius	(mm)	2435	2435
		Min. swing radius of work equipment	(mm)	3060	3060
		Height of work equipment at min. swing radius	(mm)	7140	7100
		Length of track on ground	(mm)	3260	2880
		Track gauge	(mm)	2180	1990
		Height of machine cab	(mm)	2010	1970

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Boom OUT, standard mode relief (cut-off control)

★ The diagram shows the boom DUMP and standard mode relief



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