WEBM001600

SHOP MANUAL

PW75R-2

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PW75R-2 22E0200001 and up

KOMATSU®

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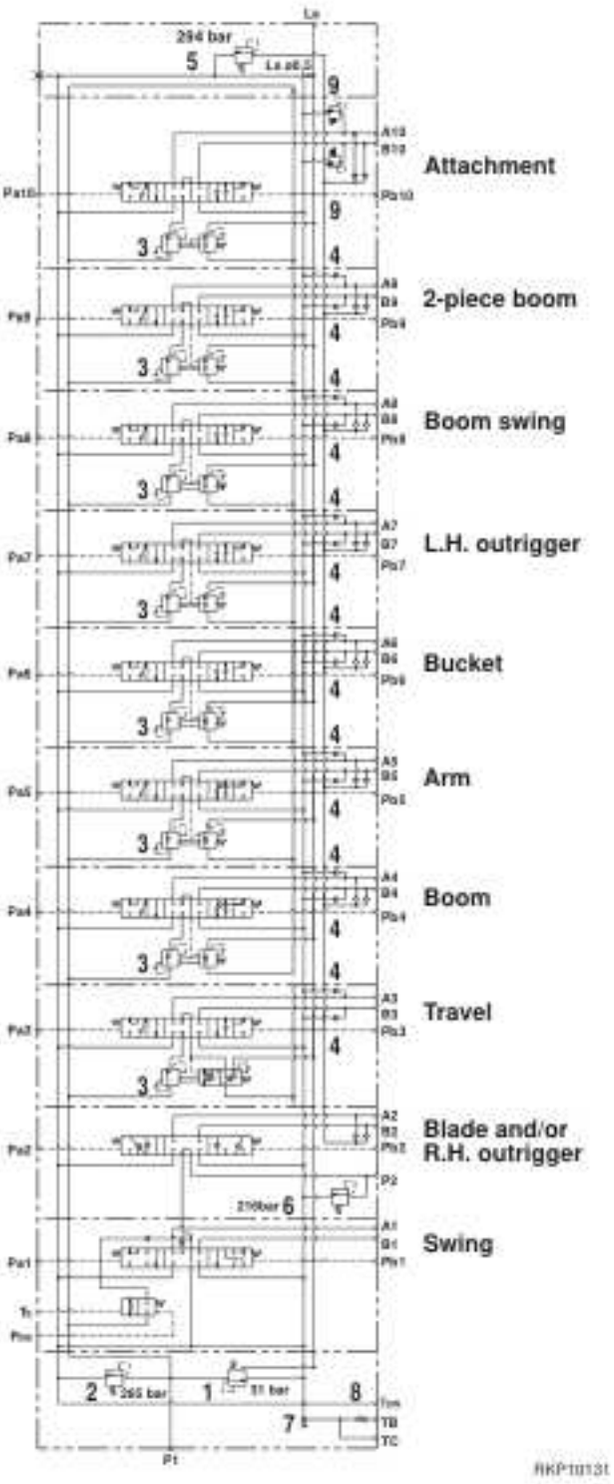
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3. Operation for each function and valve

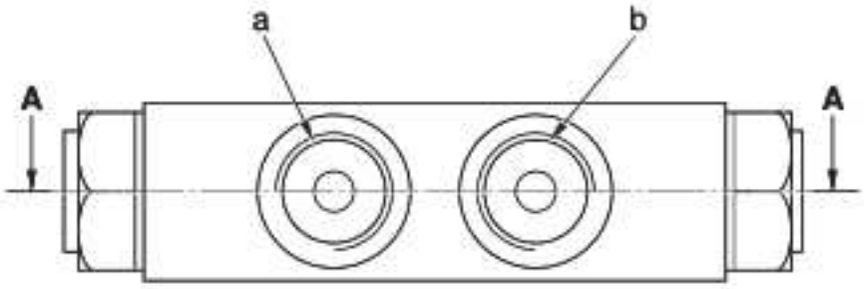
Hydraulic circuit diagram and names of valves

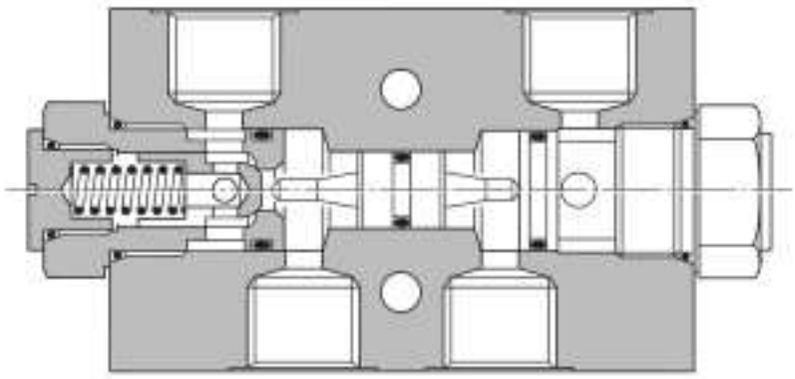


1. Unload valve
   LS pressure + 31 bar (32 kg/cm^2)
2. Main relief valve (P1 port)
   265 bar (270 kg/cm^2)
3. Pressure compensation valve
4. Suction valve
5. Safety valve
   294 bar (300 kg/cm^2)
6. Main relief valve (P2 port):
   216 bar (220 kg/cm^2)
7. Lift check valve
8. Cooler bypass valve
9 - Safety valve (hammer element):
   196 bar (200 kg/cm^2)

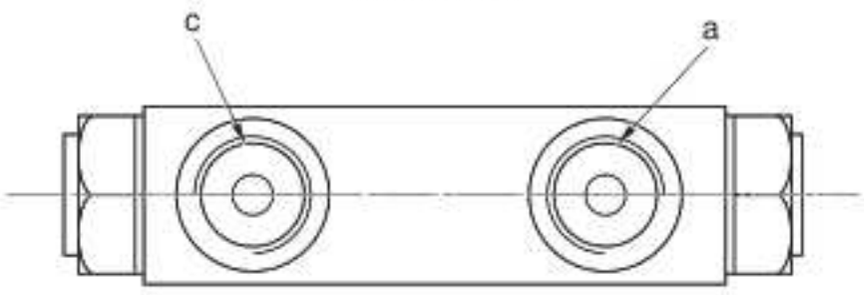
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BLADE OR OUTRIGGER SAFETY VALVE





Section A - A

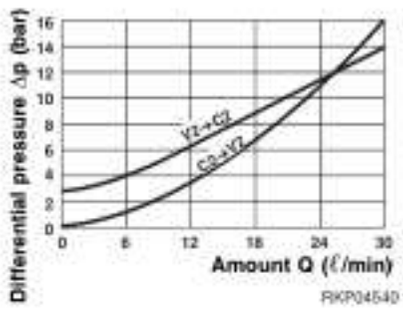


RKP03780

a. V2 Port - See hydraulic circuit
b. V1 Port - See hydraulic circuit
c. C2 Port - To blade or outrigger (Bottom side)
d. C1 Port - To blade or outrigger (Head side)

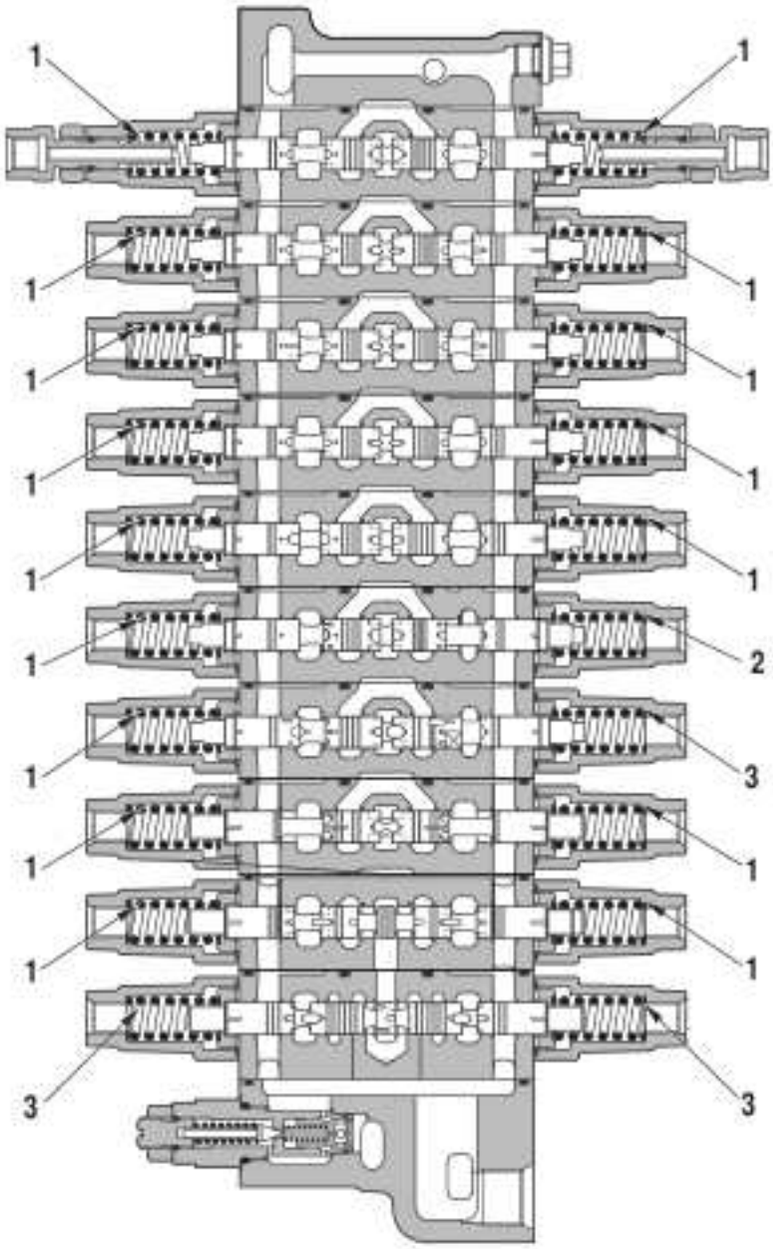
SPECIFICATIONS

Start opening: 8 bar (8.1 kg/cm^2)



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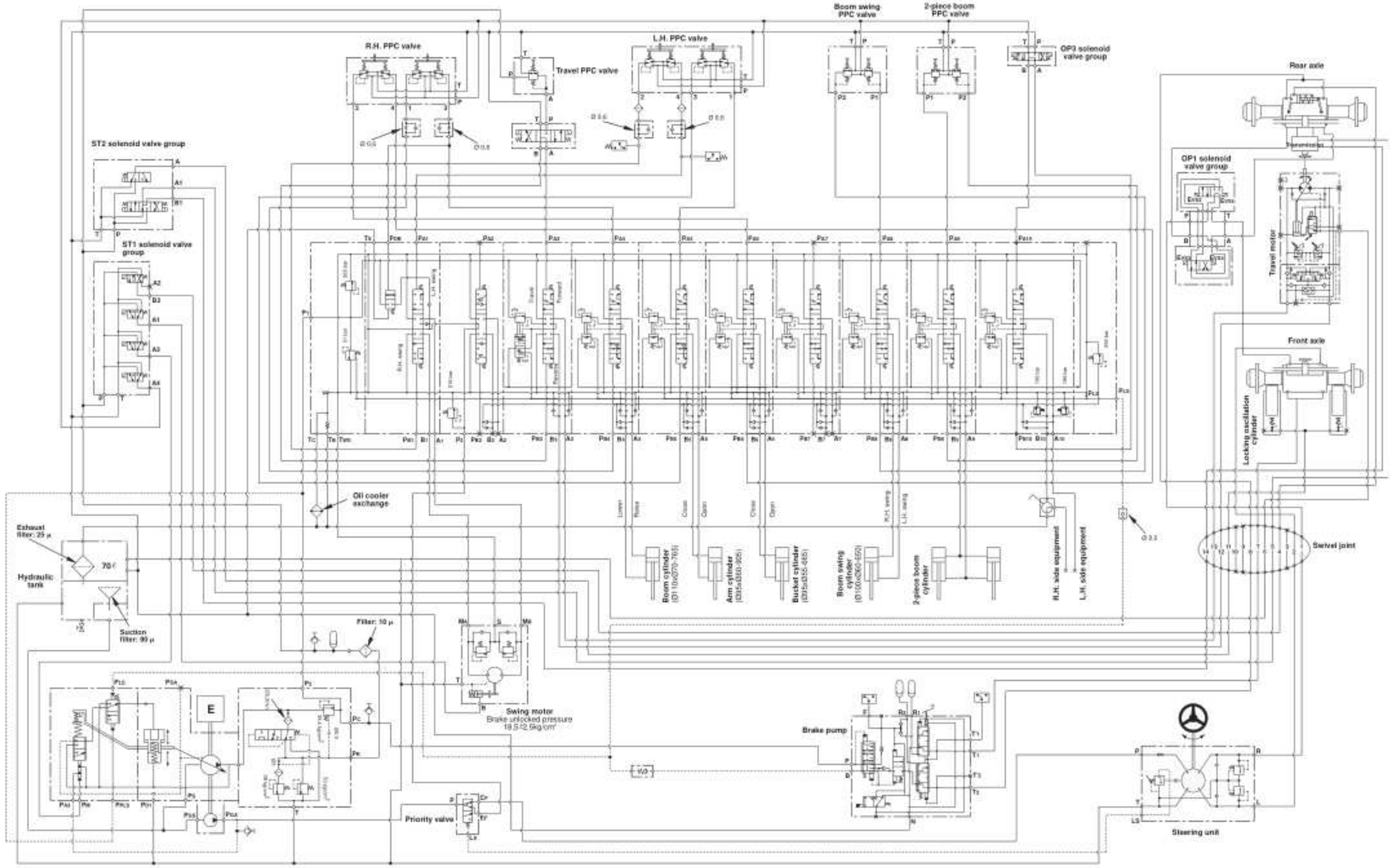
Section B - B RKP03370

Unit: mm

No.	Check item	Criteria					Remedy
		Standard size			Repair limit		
1	Spool return spring (Work equipment, swing, boom, arm, bucket, boom swing, blade, travel, equipment)	Free length	Installed length	Installed load	Free length	Installed load	Replace
		—	40.5	34.7 N (3.5 kg)	—	—	
2	Spool return spring (Arm)	—	40.5	54.6 N (5.6 kg)	—	—	
3	Spool return spring (Boom, swing)	—	40.5	4.9 N (5 kg)	—	—	

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HYDRAULIC CIRCUIT (4WS)



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