SHOP MANUAL

WEBM001602

PW75R-2

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PW75R-2 22E0210001 and up

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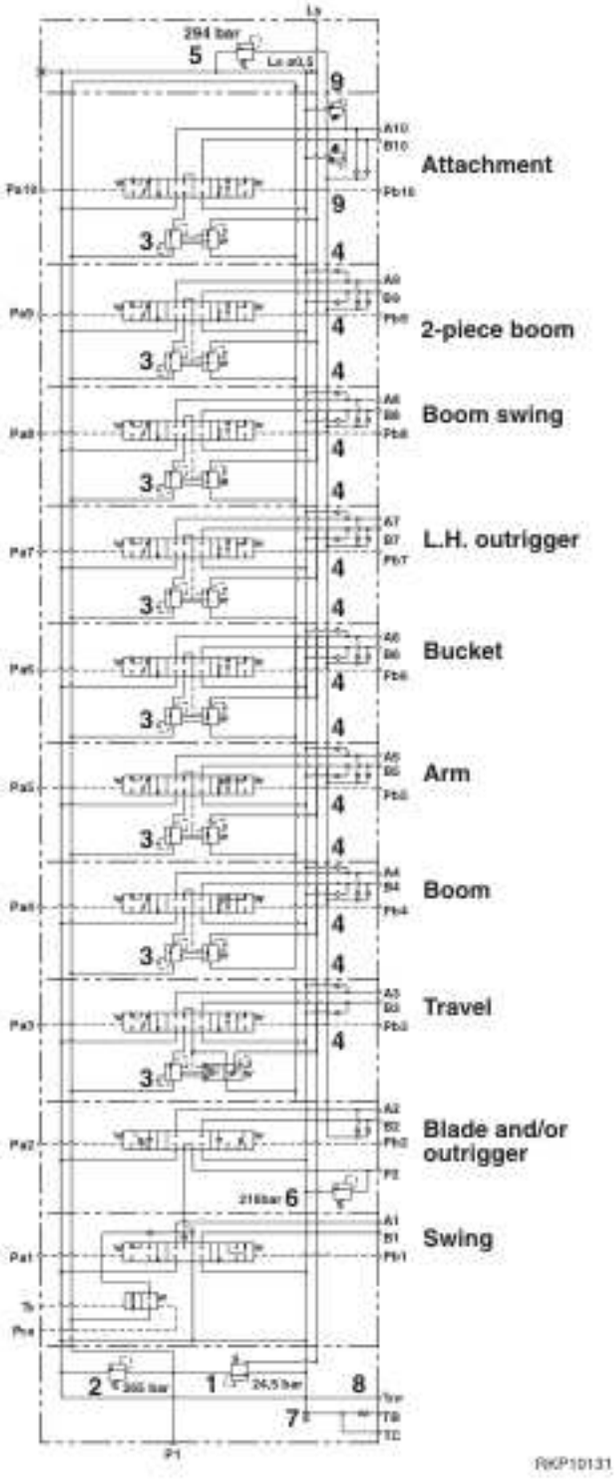
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3. Operation for each function and valve

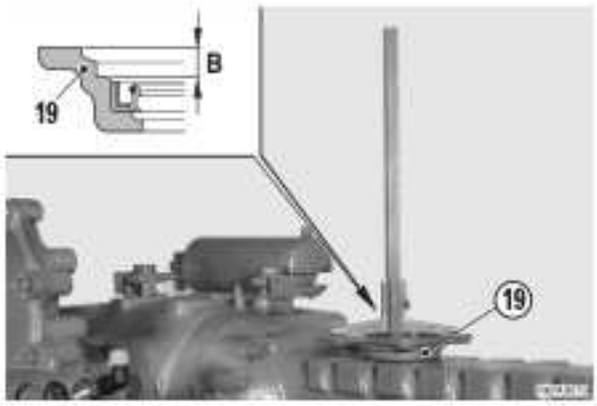
Hydraulic circuit diagram and names of valves



1. Unload valve: **LS** pressure+31.4 bar
2. Main relief valve (P1 Port) 265 bar
3. Pressure compensation valve
4. Suction valve
5. Safety valve: 294 bar
6. Main relief valve (P2 Port): 216 bar
7. Lift check valve
8. Cooler bypass valve
9. Safety valve (attachment): 196 bar

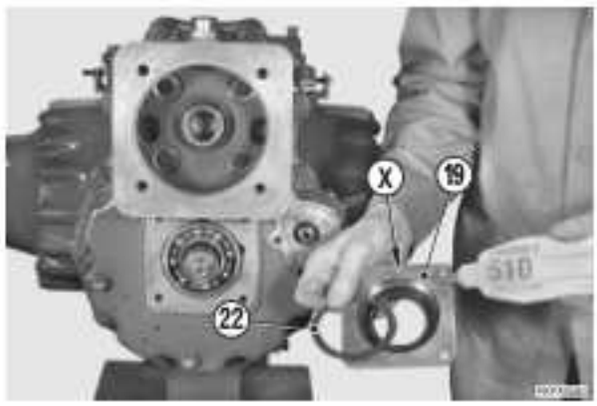
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20 - Measure dimension «B» between the surface of the cover (19) and the edge of the seat of bearing. Calculate the required dimension of distance washers so as to leave a slack of 0.2–0.3 mm, i.e.:
B – (A+0,2 –0,3)= dimension of distance washer.



21 - Insert the required distance washers (22) in the cover (19), greasing them to keep them in position.

Distance washers: ASL800050



22 - Coat the supporting surfaces and fit the flange.
★ Keep niche «X» upwards.

Surfaces: Loctite 510

Screws: Loctite 270

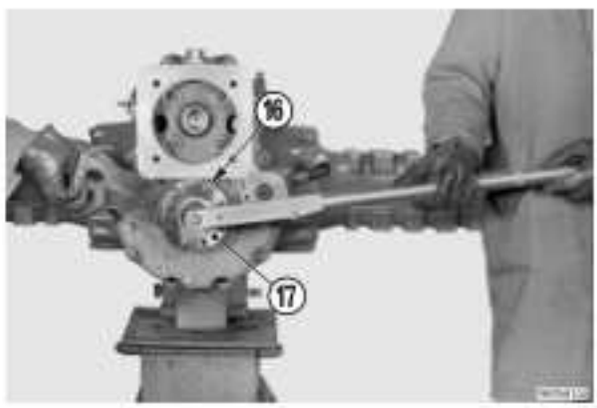
Screws: 48–62 Nm



23 - Fit the flange (17), the O-ring (18) and bolt them with the nut (16).

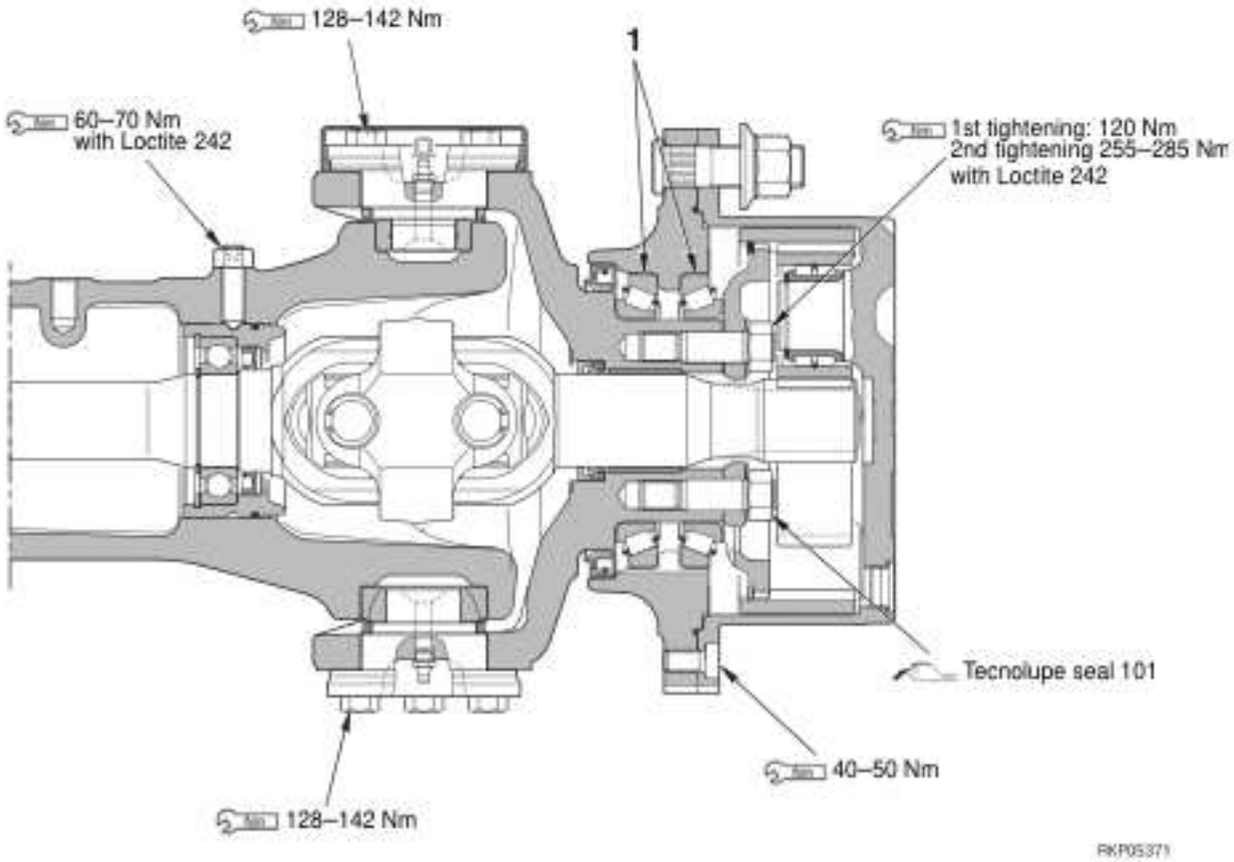
Nut: Loctite 270

Nut: 260–300 Nm



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FINAL DRIVE

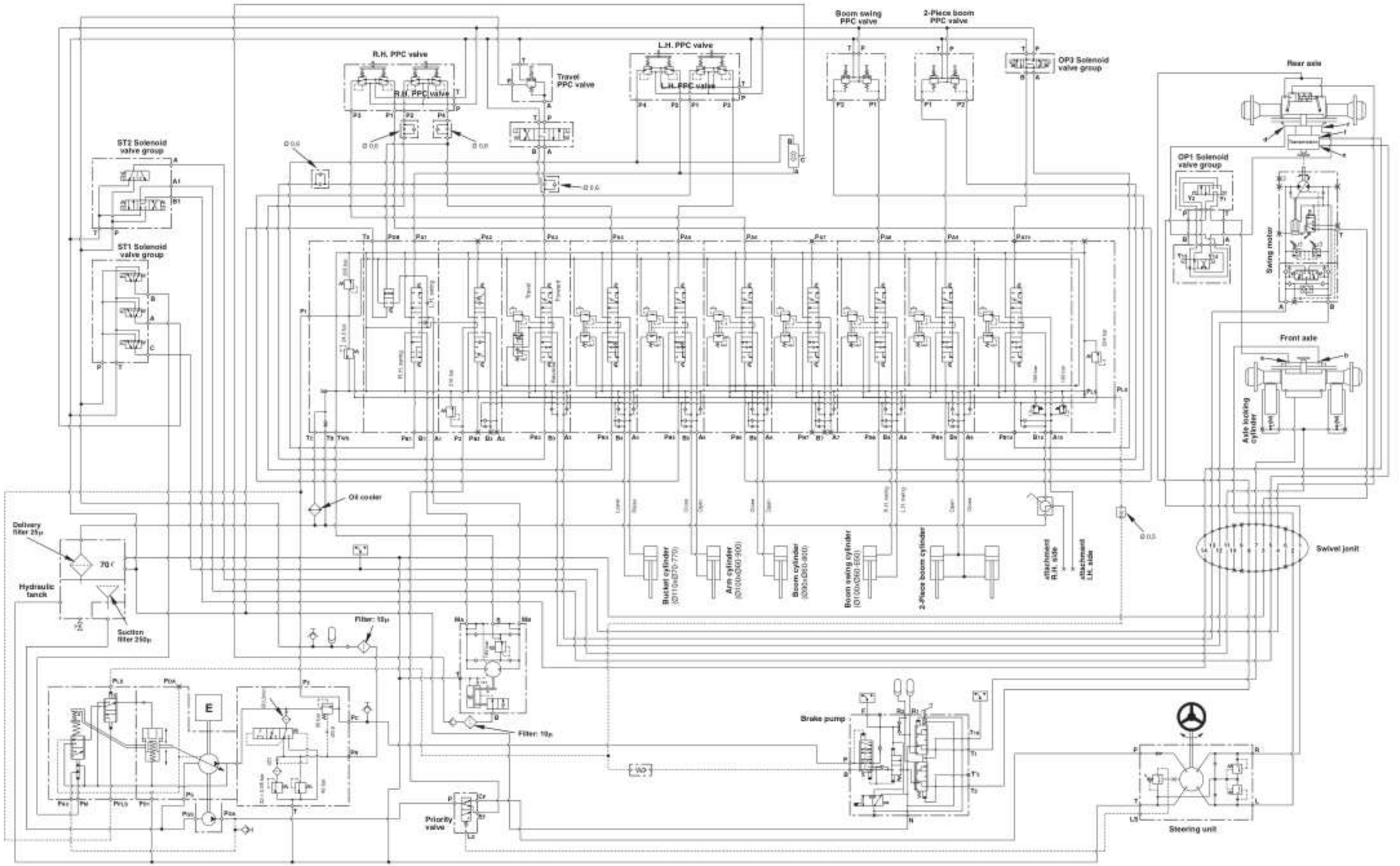


Unit: mm

No.	Check item	Criteria		Remedy
		Standard clearance	Clearance limit	
1	Hub torque (with seal)	–		Adjust

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HYDRAULIC DIAGRAM STANDARD



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