SEBM010202

Shop Manual

KOMATSU®

PC200LC-6

HYDRAULIC EXCAVATOR

SERIAL NUMBERS **PC200LC-6Z - C10827** and up

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WEIGHT TABLE

⚠ This weight table is for use when handling components or when transporting the machine.

Unit: kg

Machine model	PC200LC-6Z
Serial Number	C10827 and up
Engine assembly	742
• Engine	535
• Damper	6
• Hydraulic pump	145
Radiator, oil cooler assembly	124
Hydraulic tank, filter assembly (excl. hydraulic oil)	136
Fuel tank (excl. fuel)	122
Revolving frame	1,556
Operator's cab	191
Operator's seat	13
Counterweight	3,750
Swing machinery	164
Control valve	166
Swing motor	53
Travel motor	98 × 2
Center swivel joint	42
Track frame assembly	4,898
• Track frame	2,624
• Swing circle	276
• Idler	140 × 2
• Idler cushion	135 × 2
• Carrier roller	21 × 4
• Track roller	38 × 14
• Final drive (incl. travel motor)	340 × 2

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Unit: kg

Machine model	PC200LC-6Z
Serial Number	C10827 and up
Track shoe assembly • Triple grouser shoe (700 mm)	1,435 x 2
Boom assembly	1,334
Arm assembly	620
Bucket assembly	510 – 1,170
Boom cylinder assembly	205 x 2
Arm cylinder assembly	244
Bucket cylinder assembly	148
Link assembly (large)	68
Link assembly (small)	22 x 2
Boom pin	43 + 10 x 2 + 25 + 10 + 20
Arm pin	10 x 2
Bucket pin	20 x 2
Link pin	13 x 2

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FUEL, COOLANT AND LUBRICANTS

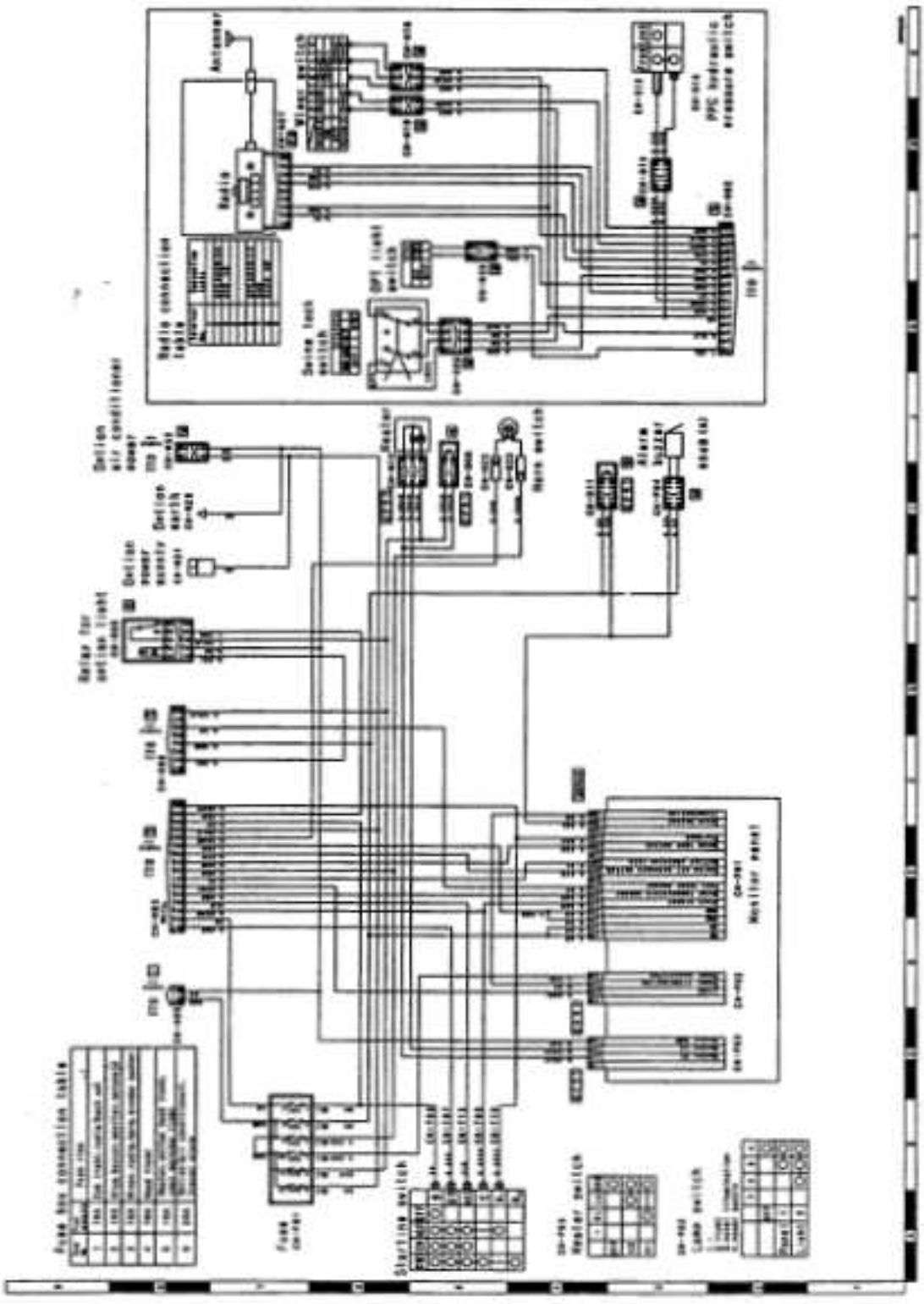
RESERVOIR	KIND OF FLUID	AMBIENT TEMPERATURE -22 -30 / -4 -20 / 14 -10 / 32 0 / 50 10 / 68 20 / 86 30 / 104°F 40°C	CAPACITY (ℓ) Specified	CAPACITY (ℓ) Refill
Engine oil pan	Engine oil	SAE 30 / SAE 10W / SAE 10W-30 / SAE 15W-40	26.3	24.0
Damper case	Engine oil	SAE 30	0.75	—
Swing machinery case	Engine oil	SAE 30	5.5	5.5
Final drive case (each side)	Engine oil	SAE 30	4.4	4.2
Idler (1 each)	Engine oil	SAE 30	0.07 – 0.08	0.07 – 0.08
Track roller (1 each)	Engine oil	SAE 30	0.19 – 0.21	0.19 – 0.21
Carrier roller (1 each)	Engine oil	SAE 30	0.23 – 0.25	0.23 – 0.25
Hydraulic system	Engine oil	SAE 10W / SAE 10W-30 / SAE 15W-40	239	166
	Hydraulic oil	HO46-HM (★)		
Fuel tank	Diesel fuel	ASTM D975 No. 2 / ASTM D975 No. 1	340	—
Cooling system	Coolant	Add antifreeze	22.2	—

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ELECTRICAL CIRCUIT DIAGRAM

(1/2)

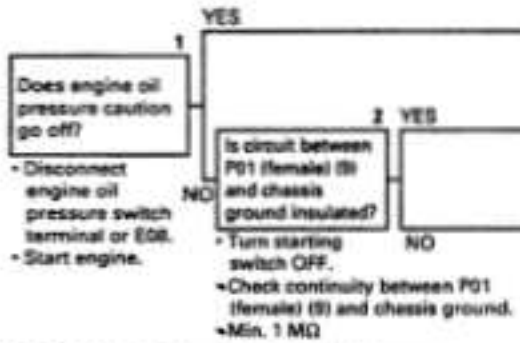
★ For details of this page, see page 90-11.



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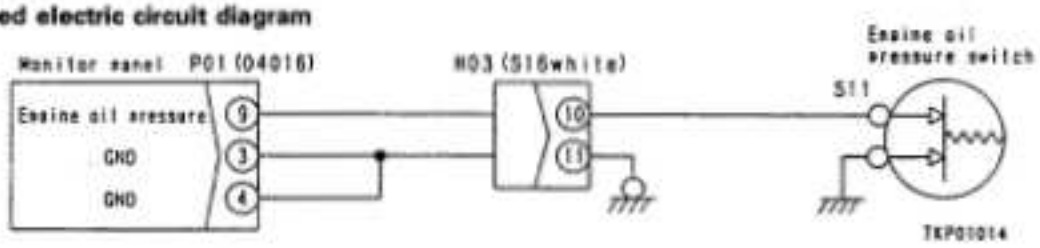
M-8 Engine oil pressure caution lamp lights up when engine is running (engine oil pressure is normal)

★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.



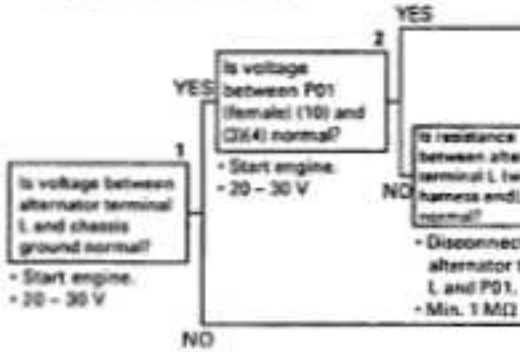
Cause	Remedy
Defective engine oil pressure sensor switch	Replace
Defective monitor panel	Replace
Contact of chassis wiring harness with wiring harness between P01 (female) (9) – H03 (10) – E08 (male) (8)	Repair or replace

M-8 Related electric circuit diagram



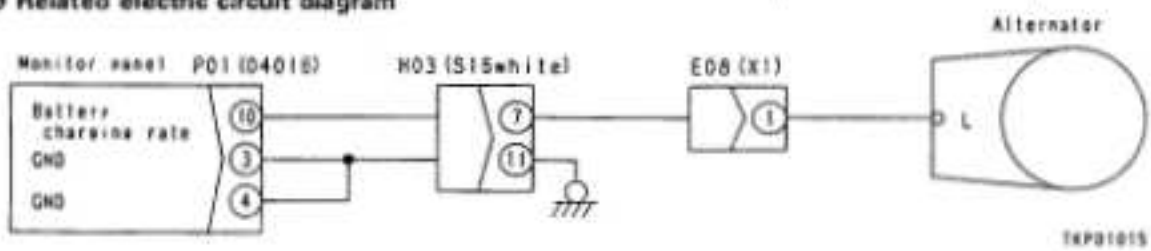
M-9 Charge caution lamp lights up when engine is running

★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.



Cause	Remedy
Defective monitor panel	Replace
Contact of chassis ground with wiring harness between P01 (female) (10) – H03 (7) – E08 (2) – alternator terminal L	Repair or replace
Defective contact or disconnection in wiring harness between P01 (female) (10) – H03 (7) – E08 (2) – alternator terminal L	Repair or replace
Defective generation of electricity by alternator	Replace

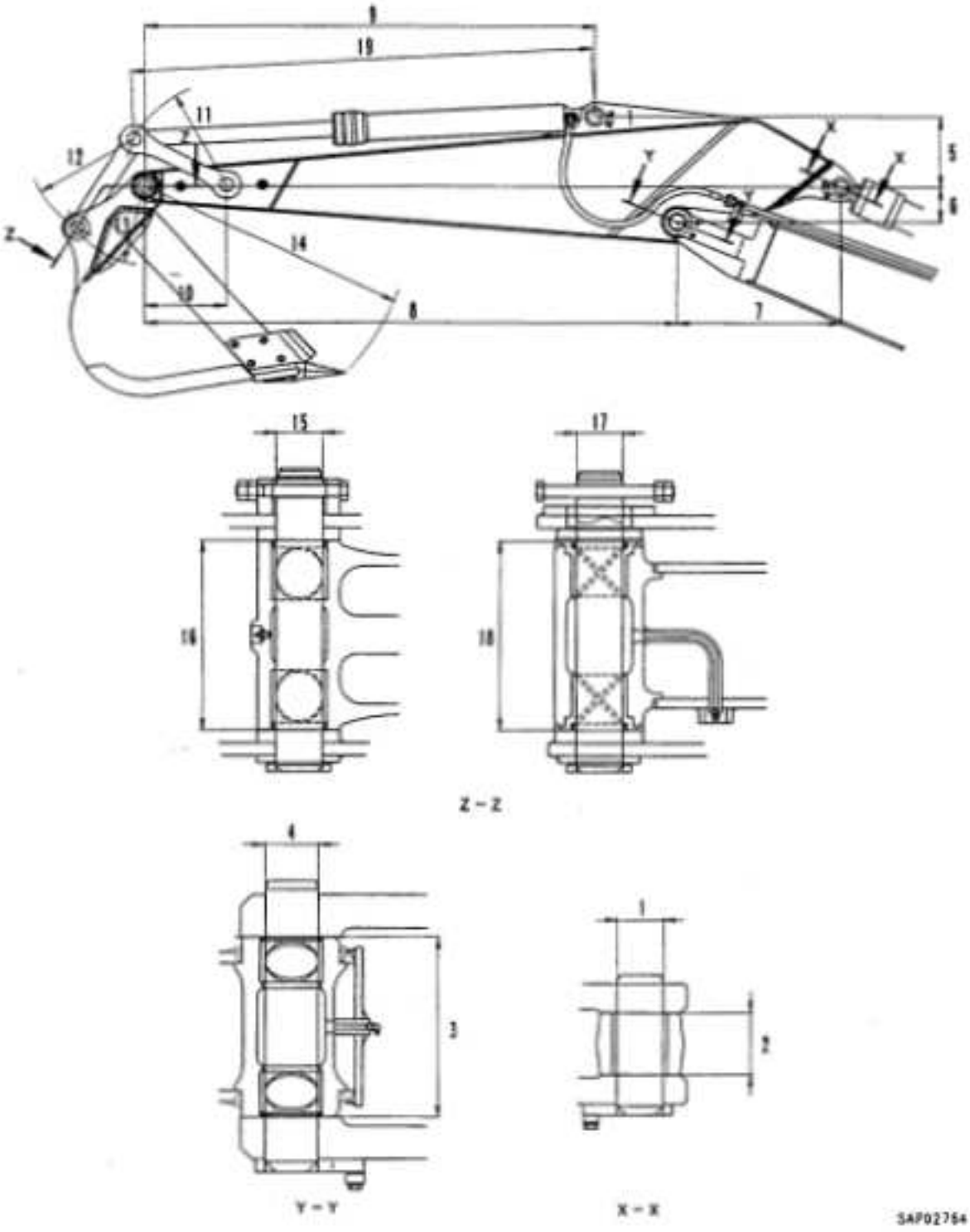
M-9 Related electric circuit diagram



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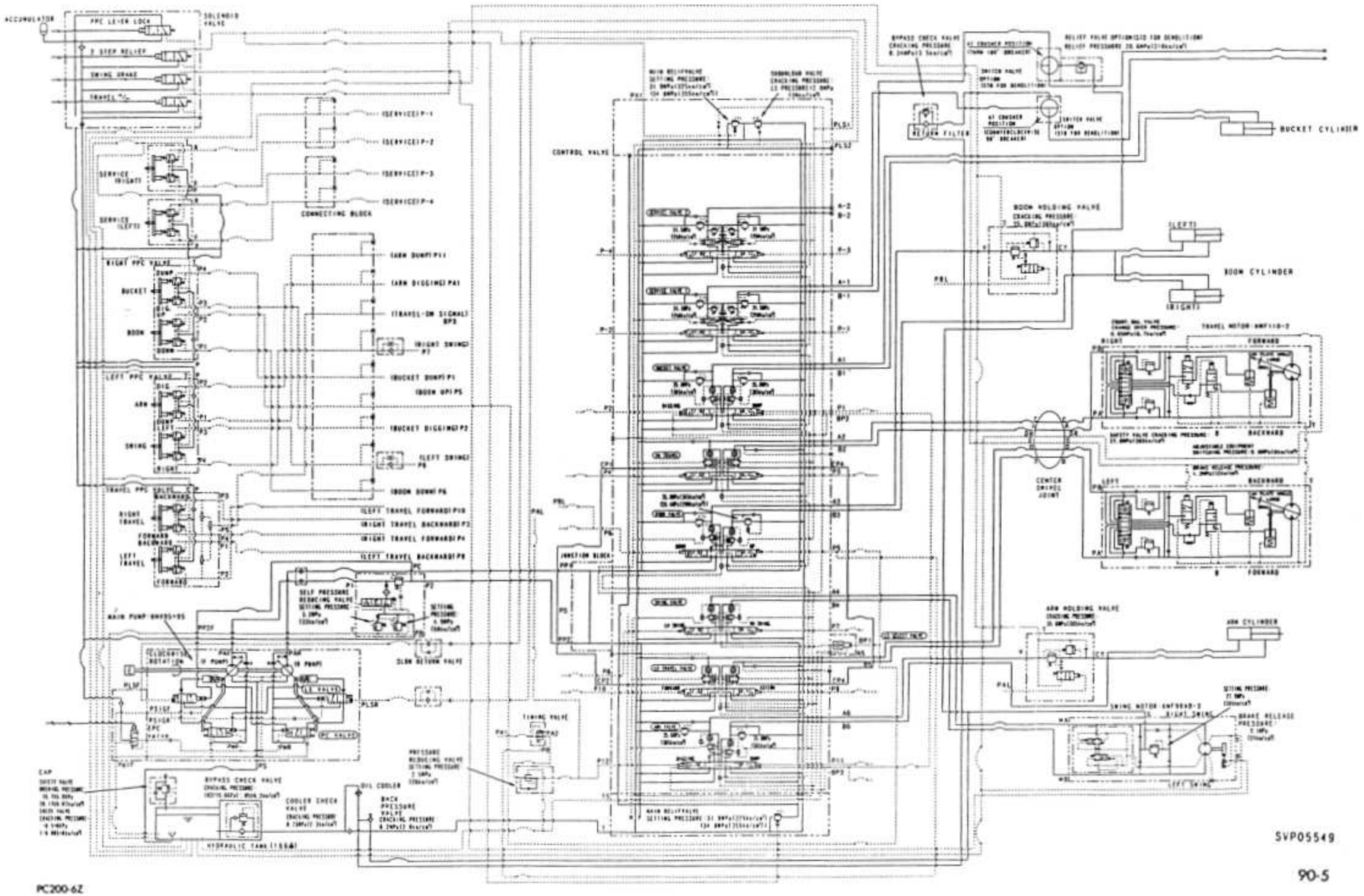
DIMENSION OF WORK EQUIPMENT

1. ARM PORTION



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HYDRAULIC CIRCUIT DIAGRAM



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