EEBM001801

SHOP MANUAL

KOMATSU®

PC210, 210LC-6K
PC240LC,
PC240NLC-6K

MACHINE MODEL	SERIAL NUMBER
PC210, 210LC-6K	**K32001 and up**
PC240LC, 240NLC-6K	**K32001 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

- PC210, 210LC-6k mount the S6D102E-1 engine;
  PC240LC, 240NLC-6k mount the SA6D102E-1 engine.
  for details of the engine, see the 102 Service Engine Shop Manual.

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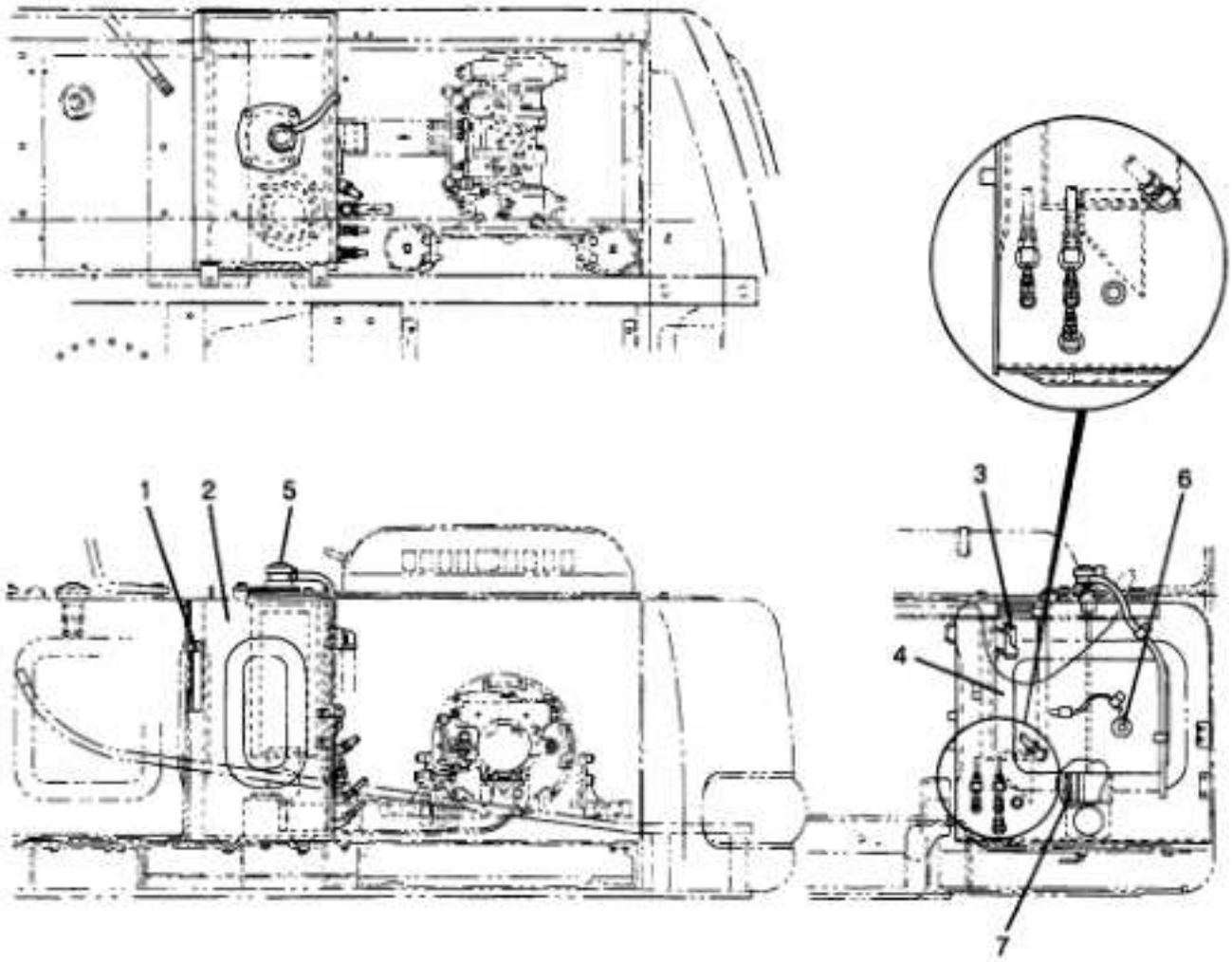
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HYDRAULIC TANK

Serial K32001 and up



X10BV083

1. Sight gauge
2. Hydraulic tank
3. Bypass valve
4. Filter element
5. Oil filler cap
6. Hydraulic oil level sensor
7. Suction strainer

Specifications

Tank capacity: 230 ℓ

Amount of oil inside tank: 166 ℓ

Pressure valve

- Relief cracking pressure: 16.7 ± 3.9 kPa (0.17 ± 0.04 kg/cm²)
- Suction cracking pressure: 0 - 0.49 kPa (0 - 0.005 kg/cm²)
- Bypass valve set pressure: 0.102.9 ± 19.6 kPa (1.05 ± 0.2 kg/cm²)

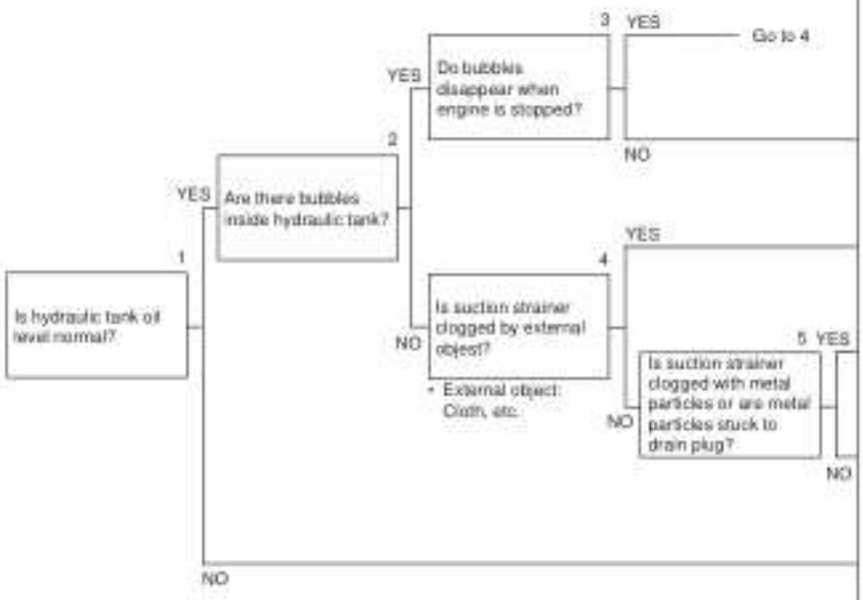
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ACTION TAKEN BY CONTROLLER WHEN ABNORMALITY OCCURS AND PROBLEMS ON MACHINE

User code	Service code	Abnormal system	Nature of abnormality
E05	E308	Abnormality in fuel control dial input value	1. Short circuit in wiring harness between C03 (7) - (14), (7) - (17), (14) - (17) 2. Short circuit in wiring harness between E04 (1) - (2), (1) - (3), (2) - (3) 3. Short circuit in wiring harness between E06 (1) - (2), (1) - (3), (2) - (3) 4. Short circuit in wiring harness between C03 (7) - (4), (4) - (17) 5. Disconnection in wiring harness between C03 (7) - X07 (6) - E06 (1) 6. Disconnection in wiring harness between C03 (4) - X07 (5) - E06 (2) 7. Disconnection in wiring harness between C03 (17) - X07 (4) - E06 (3) 8. Defective fuel control dial 9. Defective contact of C03, X07, E06 connectors
	E317	Abnormality (disconnection) in motor drive system	1. Disconnection inside governor motor 2. Disconnection in wiring harness between C02 (2) - E05 (1) 3. Disconnection in wiring harness between C02 (4) - E05 (3) 4. Disconnection in wiring harness between C02 (3) - E05 (2) 5. Disconnection in wiring harness between C02 (5) - E05 (4) 6. Defective contact of E05 connector
	E318	Abnormality (short circuit) in motor drive system	1. Short circuit inside governor motor 2. Wiring harness between C02 (2) - E05 (1) and between C02 (4) - E05 (3) short circuiting with wiring harness between C02 (3) - E05 (2) 3. Wiring harness between C02 (4) - E05 (3) and between C02 (2) - E05 (1) short circuiting with wiring harness between C02 (5) - E05 (4) 4. Wiring harness in Items 2 and 3 short circuiting with ground

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H-4 Abnormal noise generated (around pump)



Cause	Remedy
Improper hydraulic oil	Change hydraulic oil
Clogged by external object (cloth, etc.)	Remove
Defect inside pump	Repair or replace
Operate for a short time and watch for any change in symptoms	Inspect again (depending on changes in symptoms)
Lack of hydraulic oil	Add hydraulic oil

H-5 Auto-deceleration does not work (when PPC shuttle valve)

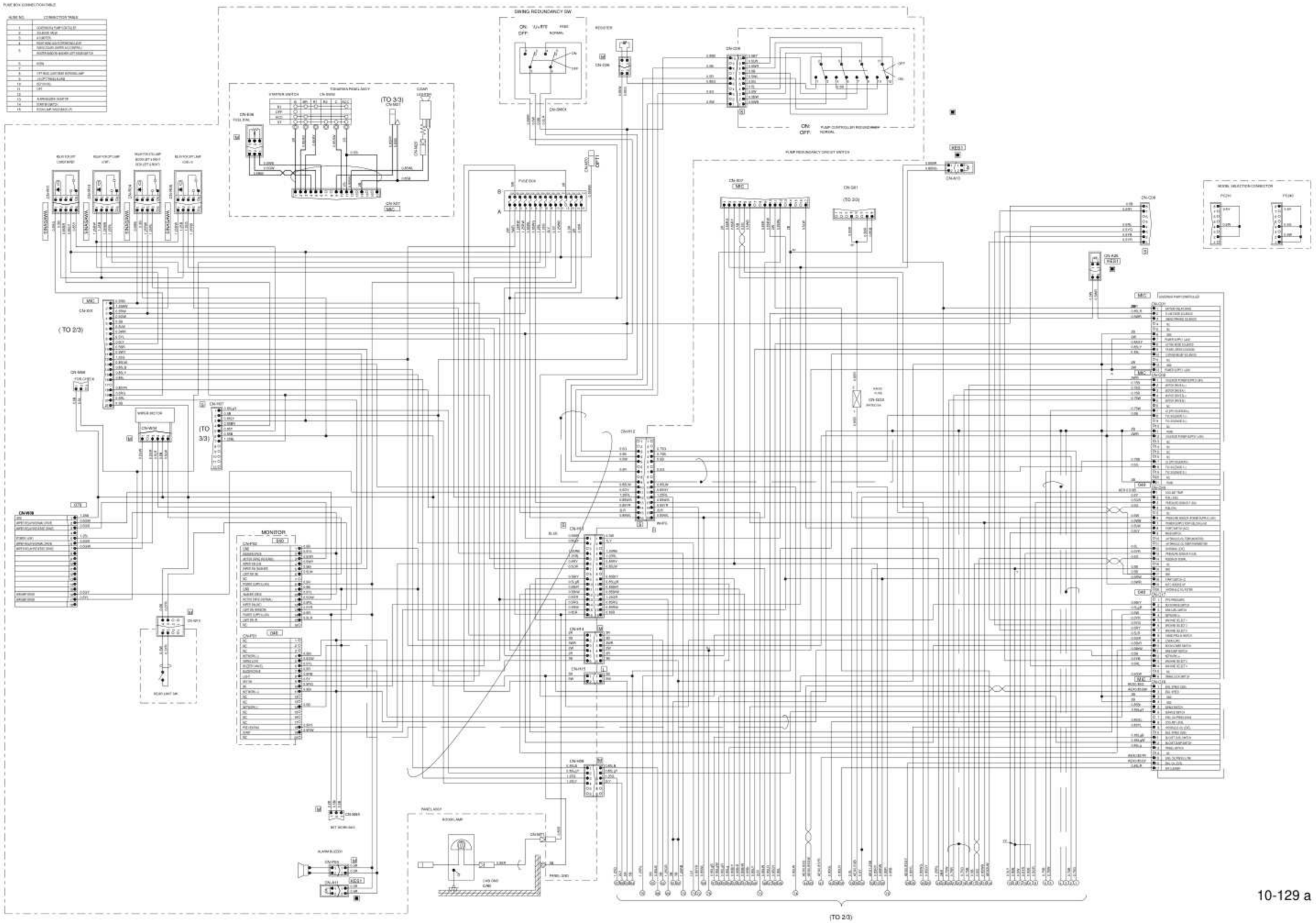
★ The control pressure for the travel and swing passes through the PPC shuttle valve and is supplied to the pressure switch.



Cause	Remedy
Defective pressure switch	Replace
Defective operation of PPC shuttle shuttle valve with travel PPC calve	Repair or replace

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ELECTRICAL CIRCUIT DIAGRAM 1



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