EEBM000505

SHOP MANUAL

KOMATSU®

PC210, 210LC-6K
PC240, 240LC,
PC240NLC-6K

MACHINE MODEL	SERIAL NUMBER
PC210, 210LC-6K	K30001 and up
PC240, 240LC, 240NLC-6K	K30001 and up

- This shop manual may contain attachments 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-6 mount the S6D102L-1 engine;
  PC240, 240LC-6 mount the SA6D102L-1 engine.
  For details of the engine, see the 102 Service Engine Shop Manual.

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JUDGEMENT TABLE FOR PUMP CONTROLLER AND HYDRAULIC RELATED PARTS

Figure in ○ shows position of bit pattern

| Failure mode | | | Abnormality in pump controller power source system | Pump controller (E2:○○ system) Self-diagnostic display: Short circuit in front pump TVC solenoid system | Short circuit in rear pump TVC solenoid system | Disconnection in front pump TVC solenoid system | Disconnection in rear pump TVC solenoid system | Short circuit in swing brake solenoid system | Disconnection in swing brake solenoid system | Short circuit in LS select solenoid system | Short circuit in pump merge-divider solenoid system | Short circuit in 2-stage relief solenoid system | Short circuit in travel speed solenoid system | Disconnection in LS select solenoid system | Disconnection in pump merge-divider solenoid system | Disconnection in 2-stage relief solenoid system | Disconnection in travel speed solenoid system | Model selection input error | Network response overtime error | Short circuit in LS control EPC solenoid system | Disconnection in LS control EPC solenoid system | Abnormality in front pump pressure sensor system | Abnormality in rear pump pressure sensor system | Abnormality in pressure sensor power source system | Abnormality in engine speed sensor system | Abnormality in auto-deceleration output system | Checking monitoring, check items: Oil pressure switch: Swing (Bit No. 1) | Travel (Bit No. 2) | Boom LOWER (Bit No. 3) | Boom RAISE (Bit No. 4) | Arm IN (Bit No. 5) | Arm OUT (Bit No. 6) | Bucket CURL (Bit No. 1) | Bucket DUMP (Bit No. 2) | Swing lock switch (Bit No. 3) | Model code | Engine speed input | Front pump discharge pressure input signal | Rear pump discharge pressure input signal | Front pump TVC output signal | Rear pump TVC output signal | LS control EPC signal | No. 2 throttle signal | Kerosene mode signal (Bit No. 5) | LH.Knob switch signal (Bit No. 6) | Actuation of solenoid: LS select (Bit No. 2) | Swing brake (Bit No. 3) | Pump merge-divider (Bit No. 4) | 2-stage relief (Bit No. 5) | Travel speed (Bit No. 6) | Coolant temperature gauge: 102°C or above | Is red range displayed? 105°C or above | Monitoring code | Is voltage for coolant temperature normal? | Troubleshooting code if no service code is displayed |
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