UEBM001001

SHOP MANUAL

KOMATSU®

PW170ES-6K

MACHINE MODEL

PW170ES-6K

SERIAL NUMBER

K32001 and up
K34001 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.

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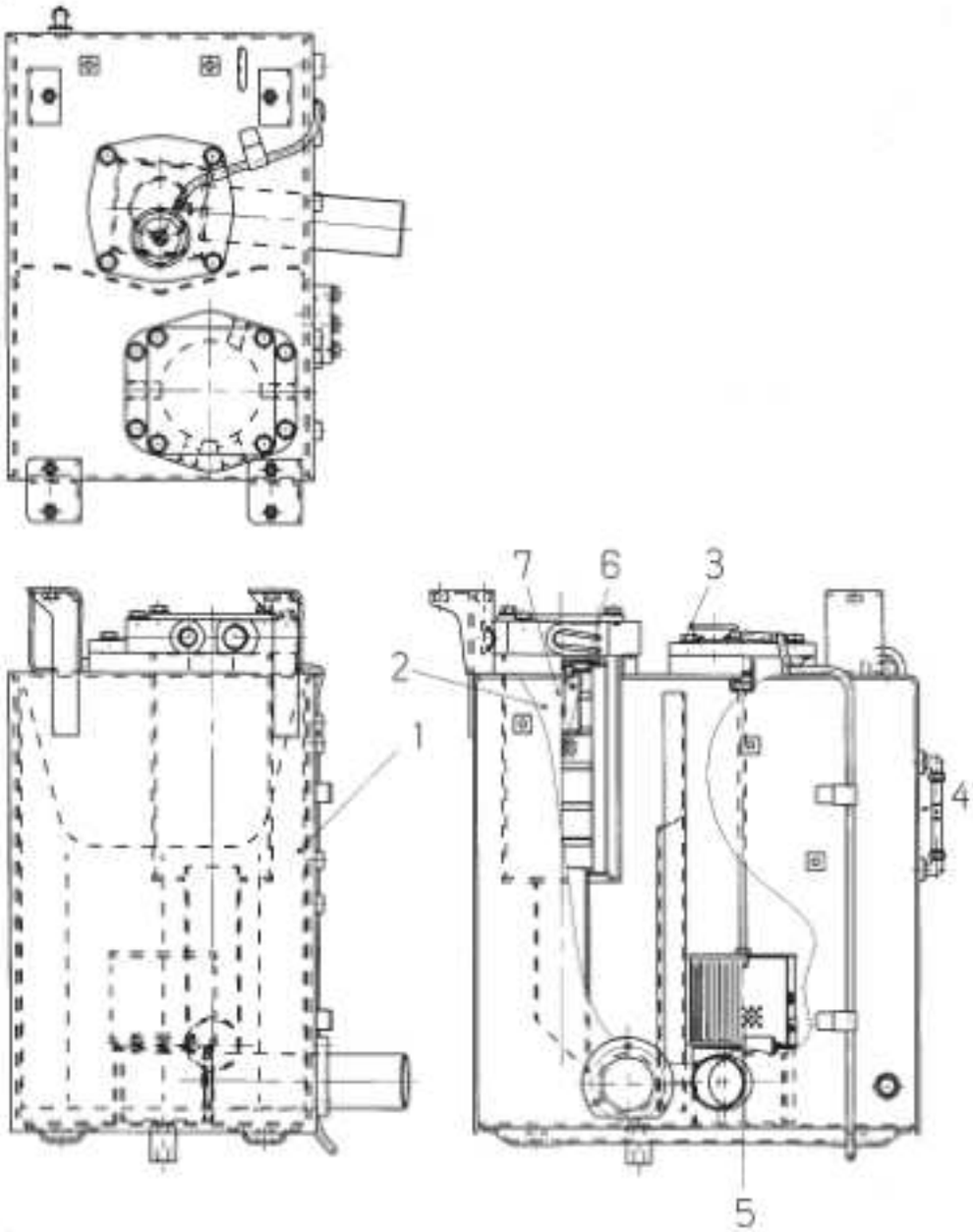
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HYDRAULIC TANK



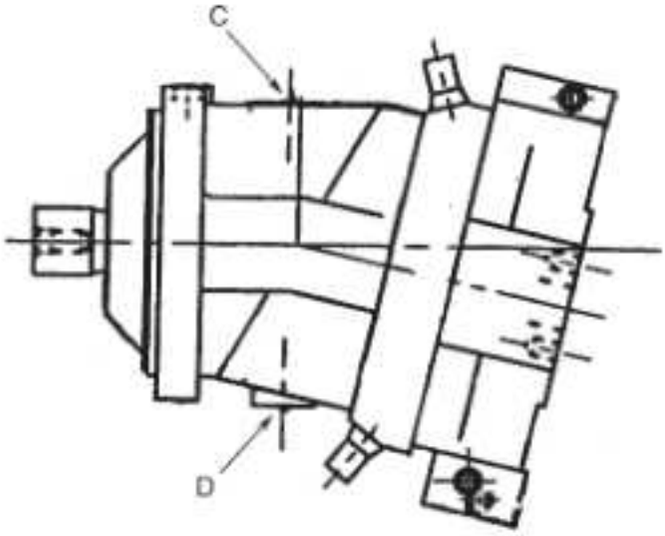
1. Hydraulic tank
2. Bypass valve
3. Oil filter cap
4. Sight gauge
5. Suction strainer
6. Filter element
7. Bypass strainer

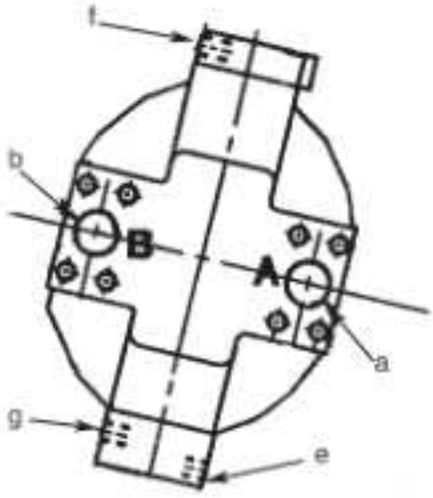
Specifications

Tank capacity:	
Amount of oil inside tank:	
Pressure valve	
Relief cracking pressure:	0.038 ± 0.015 MPa (0.39 ± 0.15 kg/cm²)
Suction cracking pressure:	0 - 0.0045 MPa (0 - 0.046 kg/cm²)
Bypass valve set pressure:	0.103 ± 0.02 MPa (1.05 ± 0.2 kg/cm²)

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REAR TRAVEL MOTOR





Hydraulic Schematic Diagram

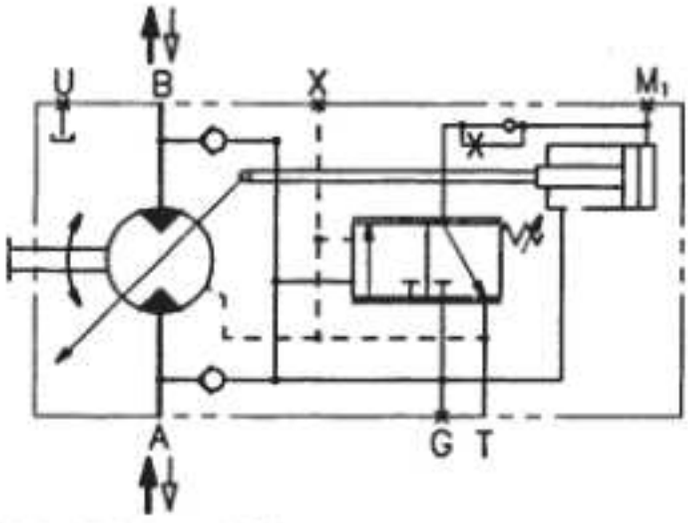
a. Motor inlet (A)
b. Motor outlet (B)
c. Drain port (T)
d. Drain port (T)
e. Overide pressure port (X)
f. Pressure test port (MI)
g. Pressure test port (G)

SPECIFICATON

Type: variable displacement

Theoretical delivery: Min 0
Max 200 cc/rev

Rated speed: 5240 rpm

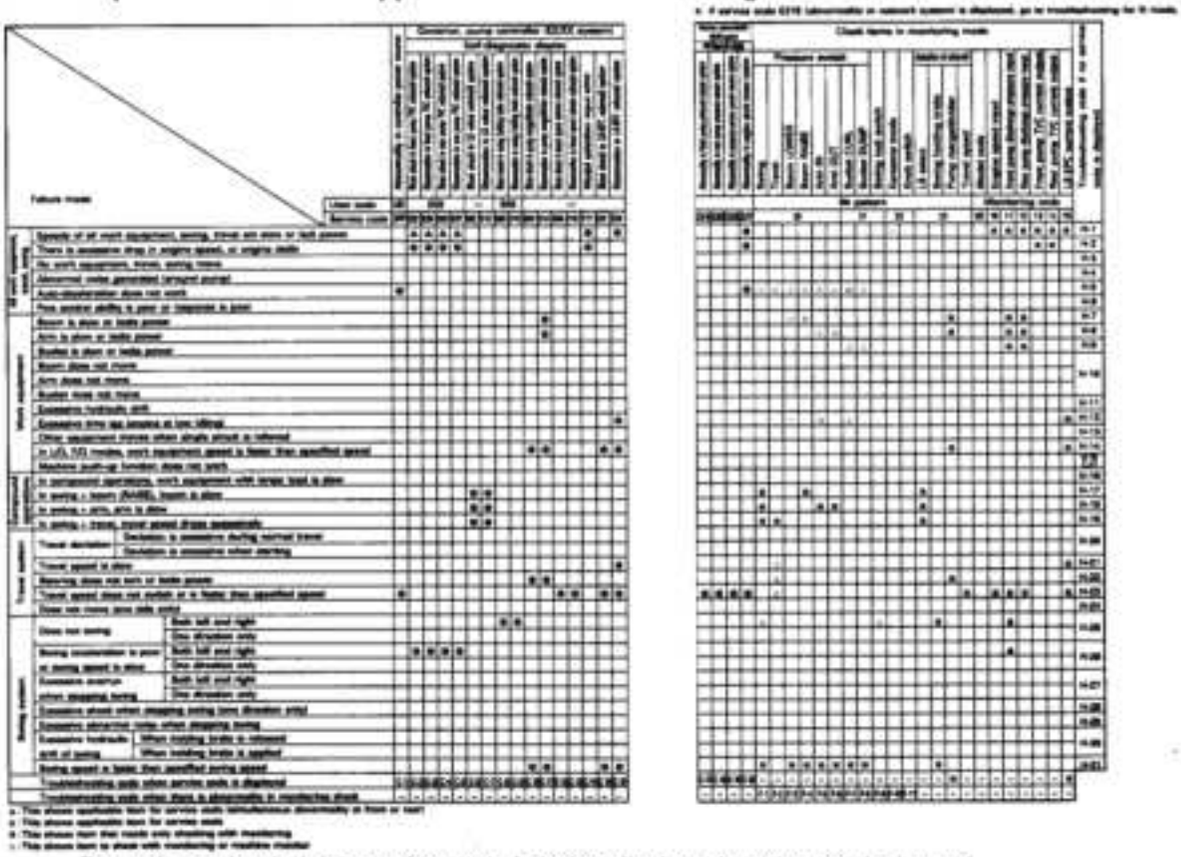


Hydraulic Schematic Diagram

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2. When using judgement table for governor, pump controller (governor control sustem) and hydraulic related parts.
   - If a service code is displayed on the monitor panel, go to the troubleshooting code at the bottom of the judgement table (C-◯◯).
     (A ● mark is put at the places where the failure mode and service code match.)
   - If a problem has appeared but no service code is displayed on the monitor panel, go to the point where the failure mode matches the input signal, and check the display for the input signal (the display at the place with a mark).
     - If it is displayed normally, go to the troubleshooting code on the right of the judgement table (H-◯◯).
     - If the input signal is not displayed on the monitor panel, go to the troubleshooting code at the bottom of the judgement table (F-◯◯).

<Example> Failure mode "Upper structure does not swing".



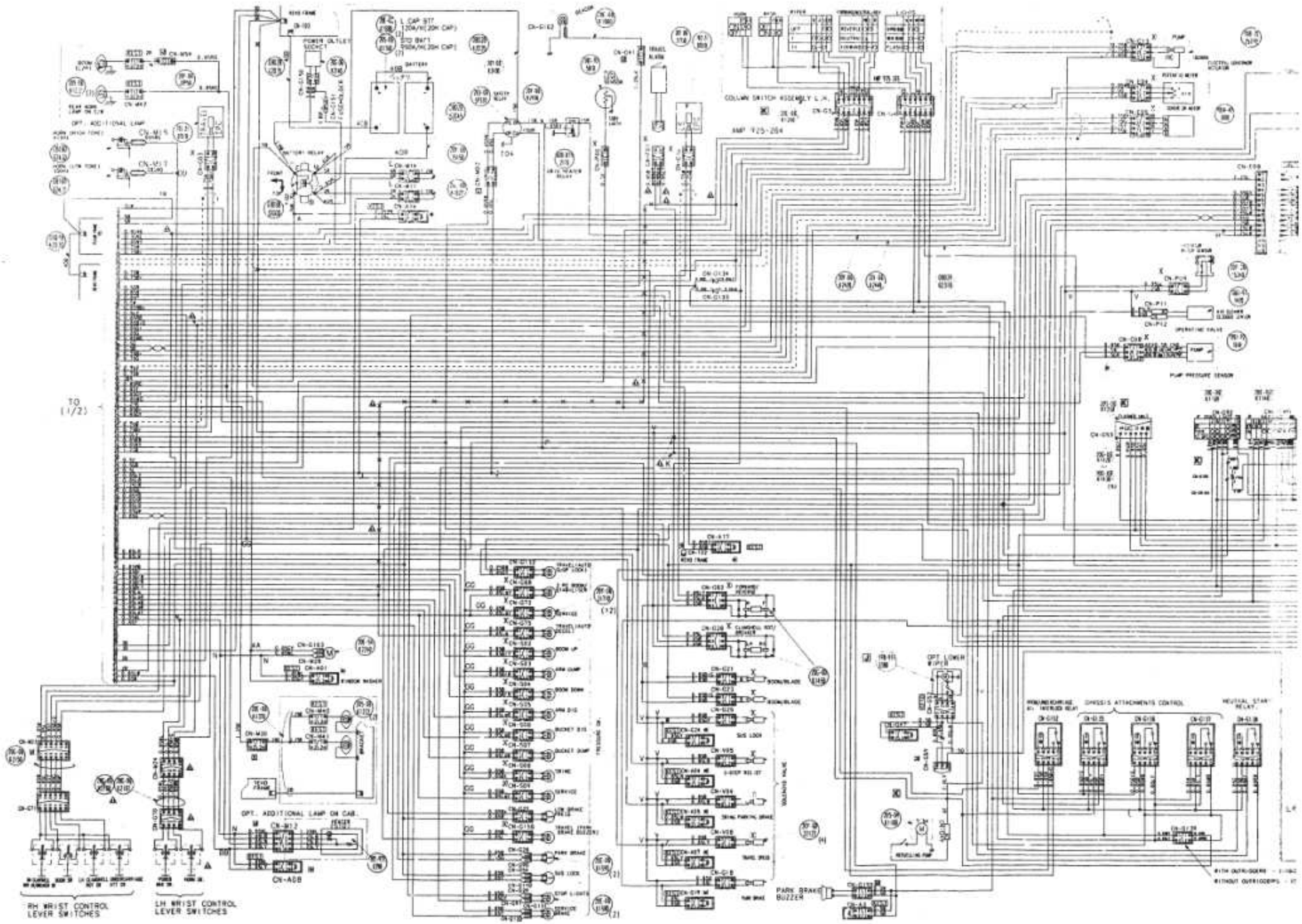
Procedure: check if the service code is being displayed on the monitor panel.

[Judgement]

1) If a service code is being displayed on the monitor panel...go to troubleshooting [E2:] for the governor, pump controller (pump controller system).
2) If no service code is displayed on the monitor panel, and the upper structure does not swing:

- Check governor, pump controller input signal (Check in monitoring mode)
  - There is a signal ..... Go to troubleshooting H-25 of mechanical system
  - There is no signal ..... Go to troubleshooting F-◯◯ of governor, pump controller input signal system (F mode for applicable system)

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