SHOP MANUAL



SMEH3607M0

PC360-7

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC360-36332 AND UP

KOMATSU®

⚠ WARNING

- This shop manual may contian attachment and optional equipment that are not available in your area.Please consult your local Komatsu distributor for those items you may require.Materials and specifcations are subjece to change without notice.
- PC360-7 mount the SAA6D114E-2 engine. For details of the engines,see the 6D114 series Engine shop manual.

KOMATSU (CHANGZHOU) CONSTRUCTION MACHINERY CORP.

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CONTENTS

No. of page

01 GENERAL 01-1

10 STRUCTURE, FUNCTION AND MAINTENANCE STANDARD 10-1

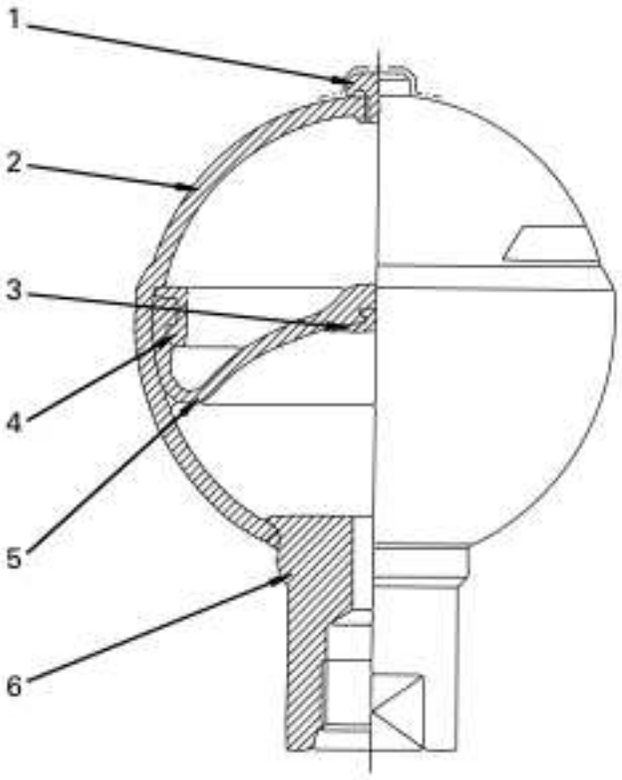
20 TESTING AND ADJUSTING 20-1

30 DISASSEMBLY AND ASSEMBLY 30-1

90 OTHERS 90-1

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PPC ACCUMULATOR



1. Gas plug
2. Shell
3. Poppet
4. Holder
5. Bladder
6. Oil port

SPECIFICATIONS

Gas capacity:300 cc (for PPC)

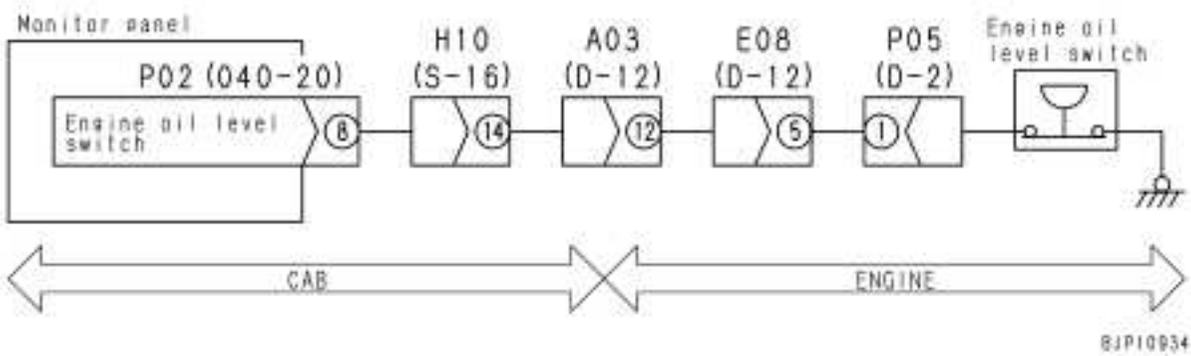
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Failure Code in Mechanical System B@BAZK (Abnormally lowered engine oil level)

User Code	Service Code	Failure Code	Failure phenomenon	Engine oil level abnormally lowered (in mechanical system)
—	—	B@BAZK		
Failure content	• The signal circuit in the engine oil level switch was opened (i.e. disconnected from grounding), when the engine is stopped (with the starting switch in the ON position).			
Response from controller	• None in particular			
Phenomenon occurring on machine	• There is a possibility that the engine seizes if it is kept running without a corrective action.			
Relative information	• This Failure Code is recorded if the engine oil level caution symbol is displayed, when the engine is stopped (with the starting key in the ON position). • Input from the engine oil level switch (ON or OFF) can be confirmed in the monitor function. (Code No. 046: Monitor input 2)			

Presumed cause and standard value in normalcy		Cause	Standard value in normalcy and references for troubleshooting		
	1	Engine oil level lowered (System in normal condition)	★Check the engine oil level, and refill oil. (If the phenomenon occurs frequently, check the cause)		
	2	Engine oil level switch defective (Internal disconnection)	★Turn the engine starting switch OFF for the preparations, and hold it in the OFF position during the troubleshooting.		
			P05 (male)	Engine oil level	Resistance value
			Between ① and grounding	When in normal condition	Below 1 Ω
				When lowered	Above 1 MΩ
	3	Disconnection of wiring harness (Disconnection or defective contact with connector)	★Turn the engine starting switch OFF for the preparations, and hold it in the OFF position during the troubleshooting.		
			Wiring harness between P02 (female) ⑧ and P05 (female) ①	Resistance value	Below 1 Ω
	4	Monitor panel defective	★Turn the engine starting switch OFF for the preparations, and hold it in the ON position during the troubleshooting.		
			P02	Engine oil pressure	Voltage
			Between ⑧ and grounding	When in normal condition	Below 1 V
				When lowered	20 – 30 V

Electrical Circuit Diagram for Engine Oil Level Switch in Monitor Panel



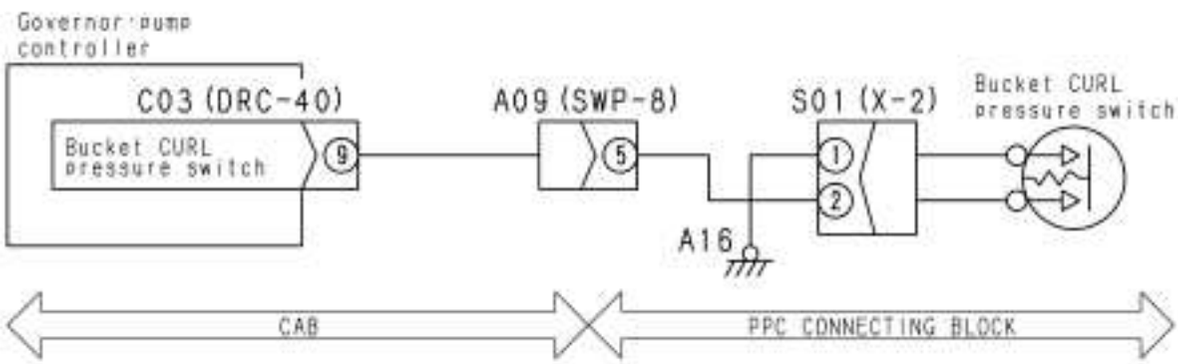
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E-25 "Bucket DIGGING" is not correctly displayed in monitor function

Failure information	• "Bucket DIGGING" is not correctly displayed in the monitor function (special function) on the monitor panel.
Relative information	—

Presumed cause and standard value in normalcy		Cause	Standard value in normalcy and references for troubleshooting			
	1	Bucket DIGGING PPC hydraulic switch fault (Internal disconnection and short-circuiting)	★Turn the engine starting switch OFF for the preparations, and keep the engine running during the troubleshooting.			
			S01 (male)	Bucket control lever	Resistance value	
			Between ① and ②	NEUTRAL	Above 1 MΩ	
				DIGGING	Below 1 Ω	
	2	Disconnection of wiring harness (Disconnection or defective contact with connector)	★Turn the engine starting switch OFF for the preparations, and hold it in the OFF position during the troubleshooting.			
			Wiring harness between C03 (female) ⑨ and S01 (female) ②		Resistance value	Below 1 Ω
			Wiring harness between S01 (female) ① and grounding		Resistance value	Below 1 Ω
	3	Grounding fault of wiring harness (Contact with grounding (GND) circuit)	★Turn the engine starting switch OFF for the preparations, and hold it in the OFF position during the troubleshooting.			
			Between wiring harness between C03 (female) ⑨ and S01 (female) ② and grounding		Resistance value	Above 1 MΩ
	4	Short-circuiting of wiring harness (Contact with 24 V circuit)	★Turn the engine starting switch OFF for the preparations, and hold it in the ON position during the troubleshooting.			
			Between wiring harness between C03 (female) ⑨ and S01 (female) ② and grounding		Voltage	Below 1 V
	5	Governor • pump controller defective	★Turn the engine starting switch OFF for the preparations, and hold it in the ON position during the troubleshooting.			
			C03	Bucket control lever	Voltage	
			Between ⑨ and grounding	NEUTRAL	20 – 30 V	
				DIGGING	Below 1 V	

Electrical Circuit Diagram for Bucket DIGGING PPC hydraulic Switch

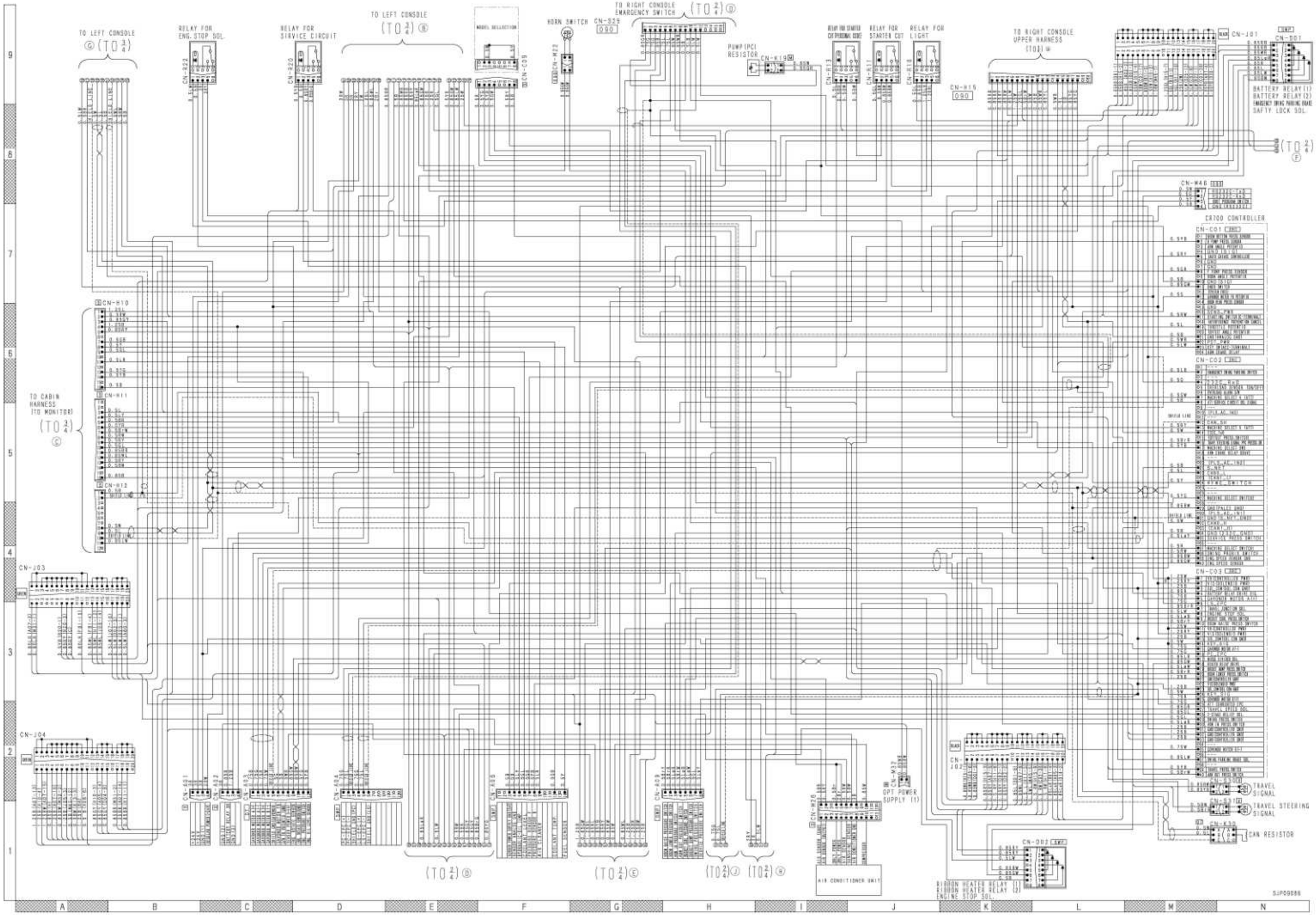


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ELECTRICAL CIRCUIT DIAGRAM (1/4)

FOR MULTI MONITOR



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