SEN00964-08

Shop Manual

KOMATSU®

PC308USLC-3E0

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC308USLC-3E0 30001 and up

ENGINE SAA6D107E-1

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The contents of this shop manual are shown together with Form No. in a list.

Note 1: Always keep the latest version of this manual in accordance with this list and utilize accordingly.
The marks shown to the right of Form No. denote the following:
○: New issue (to be filed additionally) ●: Revision (to be replaced for each Form No.)

Note 2: This shop manual can be supplied for each Form No.

Note 3: To file this shop manual in the special binder for management, handle it as follows:
- Place a divider on the top of each section in the file after matching the Tub No. with No. indicated next to each Section Name shown in the table below:
- File overview and other materials in sections in the order shown below and utilize them accordingly.

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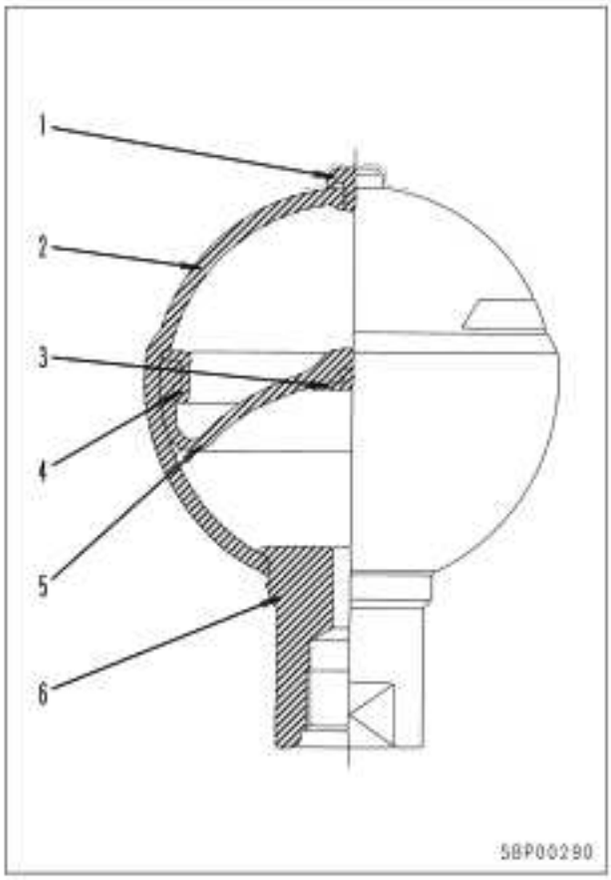
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PPC accumulator



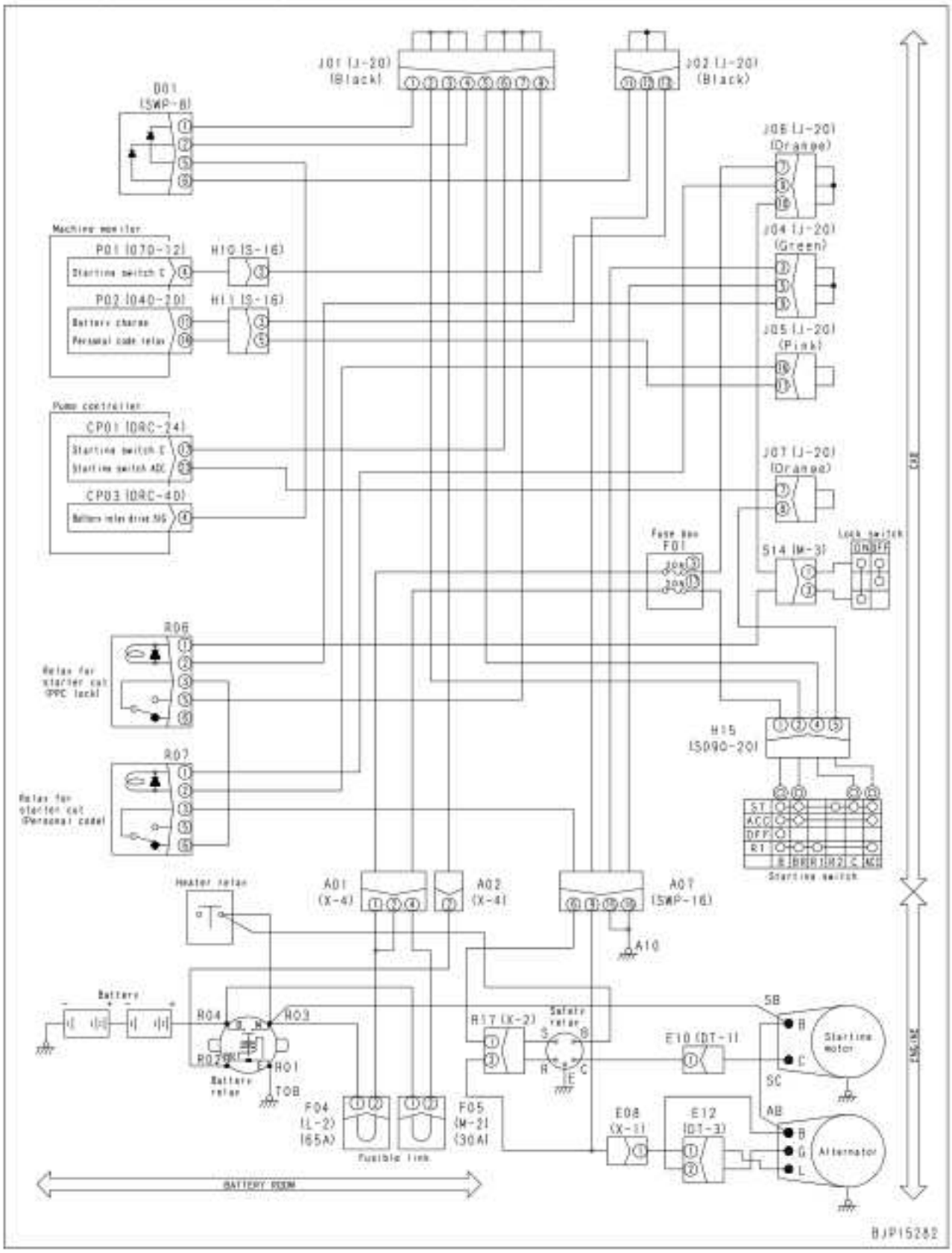
1. Gas plug
2. Shell
3. Poppet
4. Holder
5. Bladder
6. Oil port

Specifications

Gas capacity: 300 cc (for PPC)

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Circuit diagram related to engine start and battery charging



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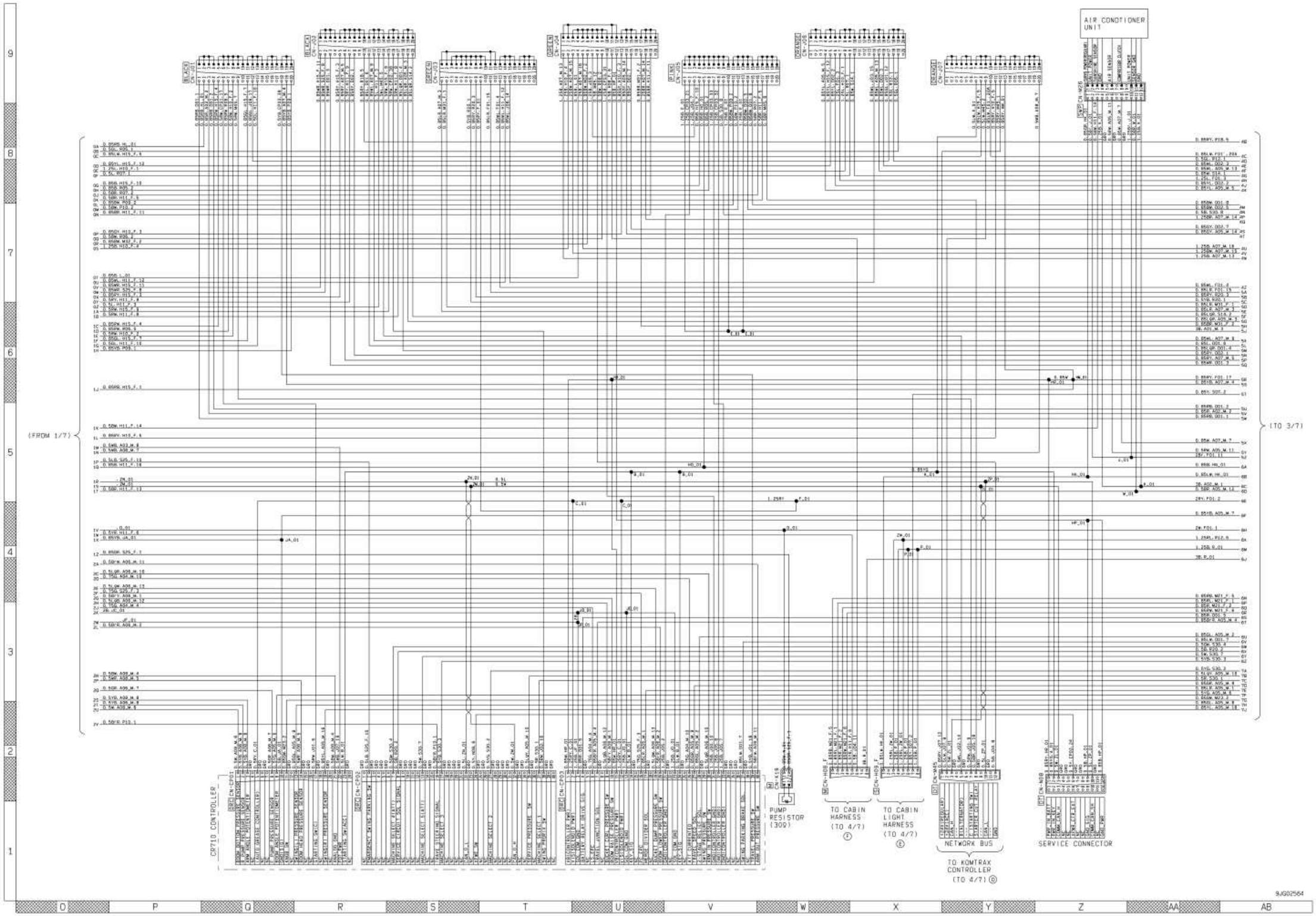
E-28 KOMTRAX system does not operate normally

Trouble	• KOMTRAX system does not operate normally.
Related information	• If KOMTRAX system administrator makes request for checking system on machine side for trouble, carry out following troubleshooting. • Even if KOMTRAX system has trouble, it does not particularly appear on machine.

	Cause		Standard value in normal state/Remarks on troubleshooting		
Possible causes and standard value in normal state	1	Defective power supply	★ Turn starting switch OFF, then carry out troubleshooting.		
			LED (1)	Normal state	
			LED-A1	Lighted up	
			★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
			G01	Signal	Voltage
			Between (39), (40) – (37), (38)	Constant power supply	20 – 30 V
	2	Defective GPS	★ Turn starting switch ON and carry out troubleshooting.		
			LED (2)	Normal state	
			LED-A2	Lighted up	
	3	Defective starting switch ACC signal and alternator R signal	★ Start engine and carry out troubleshooting.		
			LED (6)	Normal state	
			LED-C1	Lighted up	
			★ Prepare with starting switch OFF, then start engine and carry out troubleshooting.		
			G01	Signal	Voltage
			Between (36) – (37), (38)	Starting switch ACC	20 – 30 V
			Between (28) – (37), (38)	Alternator R	20 – 30 V
	4	Defective S-NET connection and starting switch C signal	★ Turn starting switch ON and carry out troubleshooting.		
			LED (8)	Normal state	
			LED-C3	Lighted up	
			★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.		
			G01	Signal	Voltage
			Between (27) – (37), (38)	Starting switch C	Max. 1 V
	5	State of CAN connection	★ Turn starting switch ON and carry out troubleshooting.		
			LED (9)	Normal state	
			LED-C4	Lighted up	
			★ Prepare with starting switch OFF and carry out troubleshooting.		
			G01	Signal	Resistance
			Between (7) – (8)	CAN	40 – 80 Ω
	6	Number of mails not transmitted yet	★ Turn starting switch ON and carry out troubleshooting.		
			LED (12)	Normal state	
			7-segment	0 – 9	

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Electrical circuit diagram (2/7)



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