CEBM031900

Shop Manual

KOMATSU®

PC350LC-8M0

HYDRAULIC EXCAVATOR

SERIAL NUMBERS **PC350LC-8M0 A33901 and up**

ENGINE **6D114E-3**

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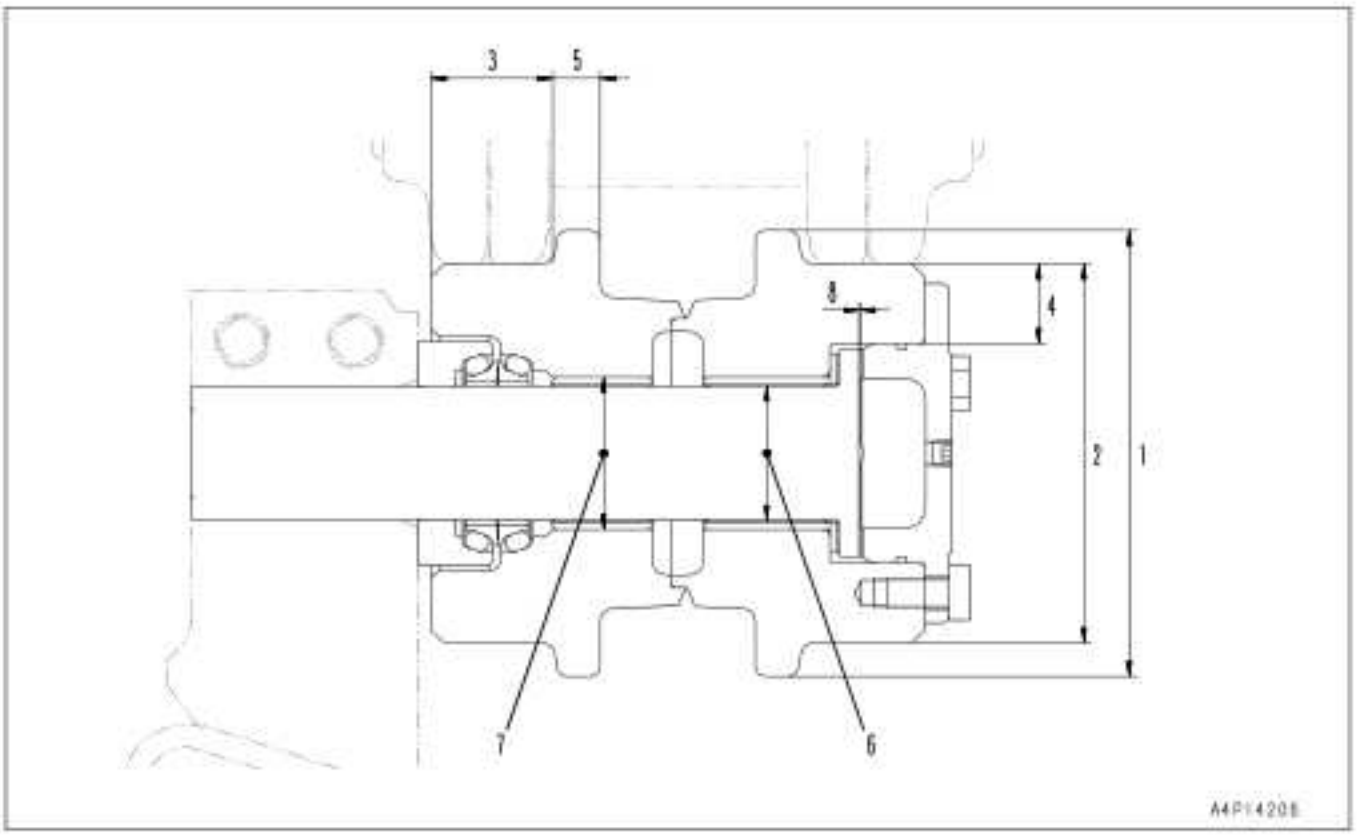
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Carrier roller



Unit: mm

No.	Check item	Criteria					Remedy
1	Outside diameter of flange	Standard dimension			Repair limit		Replace
		179			—		
2	Outside diameter of tread	152			138		
3	Width of tread	48.2			—		
4	Thickness of tread	32			25		
5	Width of flange	19			—		
6	Clearance between shaft and bushing	Standard dimension	Tolerance		Standard clearance	Clearance limit	
			Shaft	Hole			
		54	−0.250 −0.280	+0.100 −0.036	0.214 to 0.380	—	
7	Interference between roller and bushing	Standard dimension	Tolerance		Standard interference	Interference limit	
			Shaft	Hole			
		61	+0.117 +0.087	+0.030 0	0.057 to 0.117	—	
8	Axial clearance of roller	Standard clearance			Clearance limit		
		0.5 to 0.7			—		

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Failure code [DAZQKR] CAN2 Discon (Aircon ECU)

Action level	Failure code	Failure	CAN2 Disconnection (Air Conditioner ECU) (Detected by machine monitor) (Machine monitor system)
L01	**DAZQKR**		
Detail of failure	• Machine monitor does not recognize air conditioner controller over CAN communication-2 line (KOMNET/c).		
Action of controller	• Holds information at the time of occurrence of failure. • If cause of failure disappears, machine becomes normal by itself.		
Problem on machine	• Failure codes to be generate by air conditioner controller are not displayed. • Monitoring data for which air conditioner controller is responsible are not updated. • Air conditioner will be inoperable. • Air conditioner control screen will not be displayed correctly on the machine monitor.		
Related information	• Method of reproducing failure code: Turn starting switch to ON position. • Start of CAN communication is recognized by each controller when ACC signal of starting switch is received. • For CAN communication error over CAN communication-2 line, machine monitor can generate four failure codes; [**D8AQKR**], [**DA2QKR**], [**DAZQKR**] and [**DB2QKR**]. When all of these four failure codes are displayed simultaneously on screen, ground fault, short circuit, or hot short circuit may occur in wiring harness (CAN communication line). • Since each controller and machine monitor are connected to continuous power supply, they receive continuous power even while starting switch is at OFF position. • Since active CAN communication line signal is pulse voltage, it cannot be measured by using multimeter.		

	Cause	Procedure, measuring location, criteria and remarks
1	Defective power supply to air conditioner controller	★ Perform troubleshooting in Chapter 80 "Troubleshooting for power supply system".
2	Defective CAN2 communication system	Perform checks on cause 4 to 9 in troubleshooting for failure code [**DB2QKR**].
3	Defective air conditioner controller	If no failure is found by above checks, air conditioner controller is defective. (Since this is an internal defect, troubleshooting cannot be performed.)
4	Defective machine monitor	If no failure is found by above checks, machine monitor is defective. (Since this is an internal defect, troubleshooting cannot be performed.)

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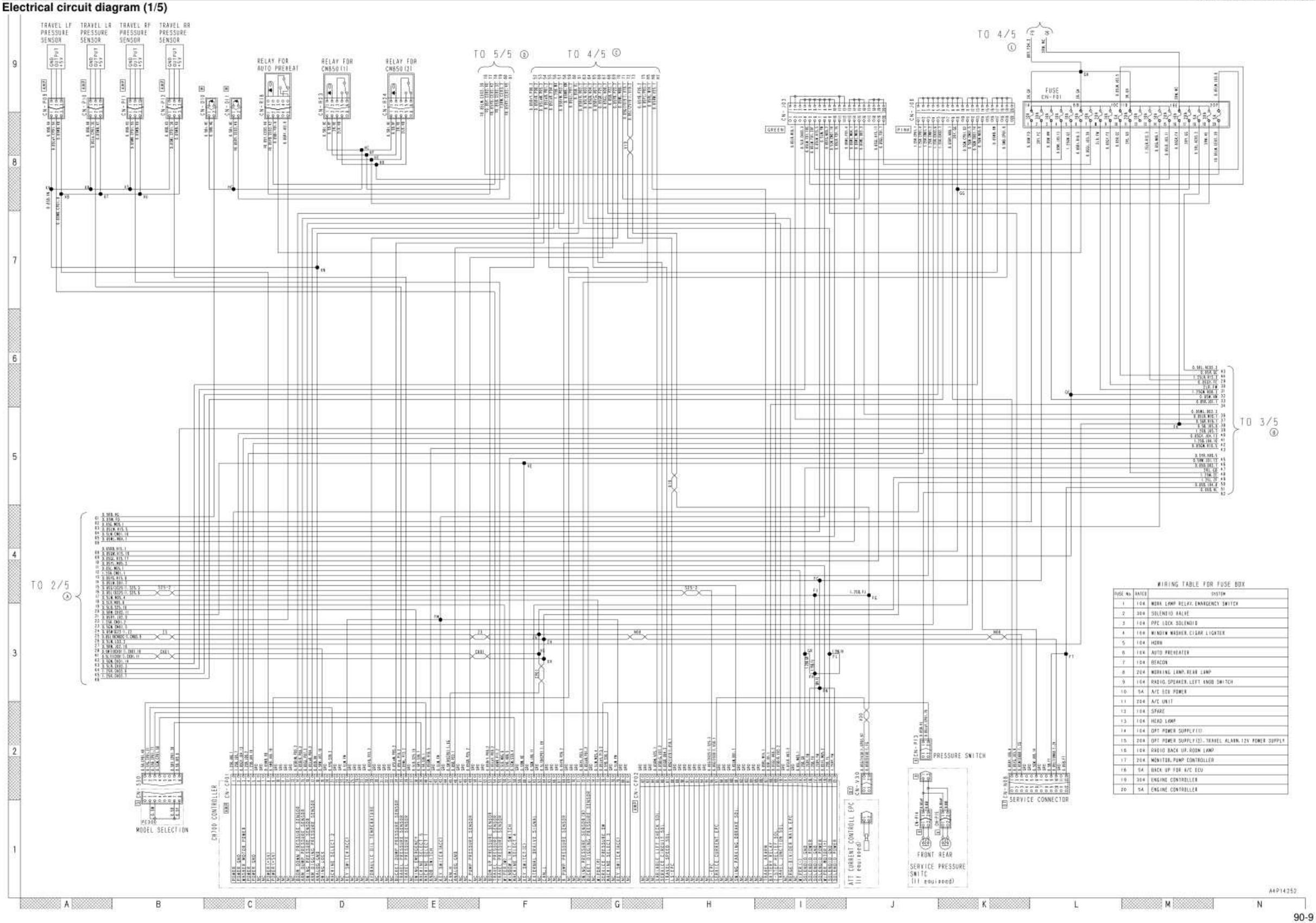
Circuit diagram related to troubleshooting

This is the excerpted circuit diagram related to troubleshooting

- The circuit diagram contains the connector Nos., pin Nos., and connector colors related to the failure.
- The "/" in a connector number is either:
  1)An abbreviation (of more than three letters)
  Example: T/C (Torque Converter)
  2)Different connector number at male and female sides
  Example: BREAK OUT/ E24
- The circuit diagram contains the destination or source of the branch line in a wiring harness.
- Arrow (⟷): Roughly shows the location on the machine.
- NO: Normally Open
- NC: Normally Closed

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Electrical circuit diagram (1/5)



WIRING TABLE FOR FUSE BOX

FUSE No.	RATED	SYSTEM
1	10A	WORK LAMP RELAY, EMARGENCY SWITCH
2	30A	SOLENOID VALVE
3	10A	PPC LOCK SOLENOID
4	10A	WINDOW WASHER, CIGAR LIGHTER
5	10A	HORN
6	10A	AUTO PREHEATER
7	10A	BEACON
8	20A	WORKING LAMP, REAR LAMP
9	10A	RADIO, SPEAKER, LEFT KNOB SWITCH
10	5A	A/C ECU POWER
11	20A	A/C UNIT
12	10A	SPARE
13	10A	HEAD LAMP
14	10A	OPT POWER SUPPLY(1)
15	20A	OPT POWER SUPPLY(2), TRAVEL ALARM, 12V POWER SUPPLY
16	10A	RADIO BACK UP, ROOM LAMP
17	20A	MONITOR, PUMP CONTROLLER
18	5A	BACK UP FOR A/C ECU
19	30A	ENGINE CONTROLLER
20	5A	ENGINE CONTROLLER

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