CEBM024301

Shop Manual

KOMATSU®

PC350LL-7E0

LOGGING/ROAD BUILDER EXCAVATOR

SERIAL NUMBERS **PC350LL-7E0** **A50001** and UP

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1. Compressor
2. Condenser
3. Receiver drier
4. Hot water piping
5. Hot water return piping
6. Refrigerant piping
7. (Dual) pressure switch
8. Fresh air filter
9. Recirculation air filter
10. Air conditioner unit
11. Machine monitor
12. Sunlight sensor

A. Fresh air
B. Recirculation air
C. HOT/COOL air

Specifications

Refrigerant	R134a	Model
Refrigerant refilling level	850 ±50 g (1.873 ±0.110 lb)	PC200/220/270LC-8
	1330 ±50 g (2.932 ±0.110 lb)	PC200/220LL-8 - 15 inch riser
	1450 ±50 g (3.197 ±0.110 lb)	PC200/220LL-8 - 48/60 inch riser
	1325 ±50 g (2.921 ±0.110 lb)	PC350LL-7E0 - 15 inch riser
	1450 ±50 g (3.192 ±0.110 lb)	PC350LL-7E0 - 48/60 inch riser
	1000 ±50 g (2.204 ±0.110 lb)	PC300/350LC/HD-8, PC400/450LC-8

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	Causes		Standard value in normal state/Remarks on troubleshooting			
Possible causes and standard value in normal state	3	Defective blower main relay (Does not turn ON)	• Referring to "Testing Relays" on page 60-50, check turn-on sound of blower main relay.		Click is heard.	A
			★ If test results A above and B below are abnormal and C is normal (relay is normal), go to causes 7-J and 9.			
			1) Turn starting switch OFF. 2) Disconnect connector R30. 3) Short (3) (red/yellow) and (4) (red/blue) of connector R30 (wiring harness side) with wire. (Turn blower ON forcibly without using relay.) 4) Turn starting switch ON.			
			Operate fan on air conditioner operation screen.		Air comes out.	B
			★ If air does not come out even when blower is turned ON forcibly without using relay, cause is part other than relay.			
			1) Turn starting switch OFF. 2) Disconnect connector R30 and carry out troubleshooting without turning starting switch ON.			
			Between (1) – (2) of R30 (relay side) (coil resistance)	Resistance	140 – 340 Ω	X
	4	Defective wiring harness (ground)	1) Turn starting switch OFF. 2) Disconnect connector [4] and carry out troubleshooting without turning starting switch ON.			
			Between (1) (black) on wiring harness side of connector [4] – ground		Resistance	Max. 1 Ω
	5	Check of input and output voltages	• Blower motor input voltage 1) Turn starting switch OFF. 2) Disconnect connector [3]. 3) Turn starting switch ON. 4) Press fan switch on air conditioner operation screen. (Air flow may be set to any position.) ★ If result is abnormal, go to causes 7-J and 9.			
			Between (1) (red/yellow) on wiring harness side of connector [3] – ground		Voltage	24 V
			• Power transistor input voltage 1) Turn starting switch OFF. 2) Disconnect connector [4]. (Since no current flows to blower motor, blower motor does not rotate.) 3) Turn starting switch ON. 4) Press fan switch on air conditioner operation screen. (Air flow may be set to any position.) ★ If D below is abnormal, go to G below. ★ If E below is abnormal, go to causes (8) and (9).			

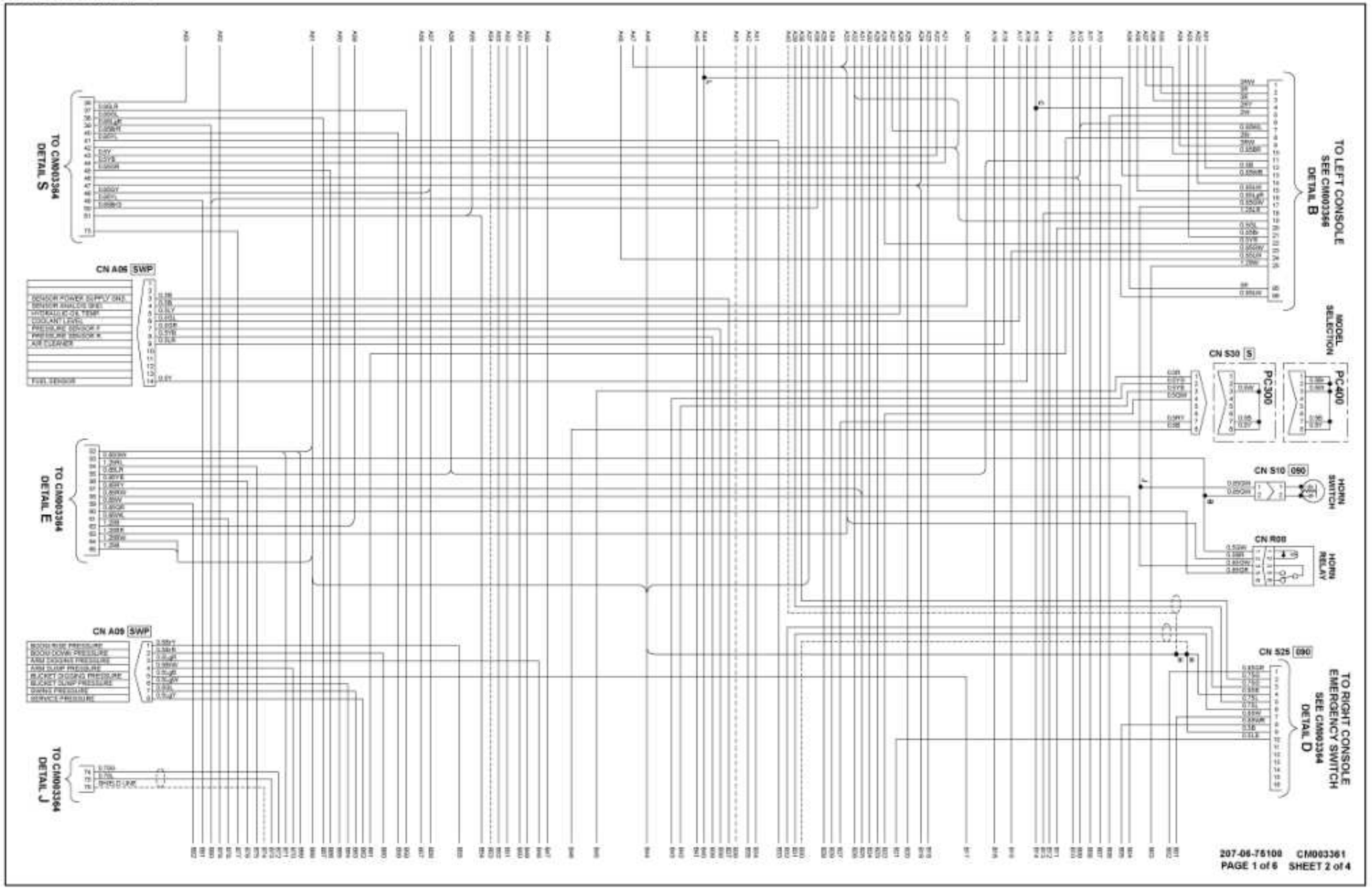
*1: At blower main relay ON

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MEMORANDUM

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CABIN HARNESS VIEW 1



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