UEN00262-00

Shop Manual

HYDRAULIC
EXCAVATOR

GALEO

PC340LC-7
PC340NLC-7

SERIAL NUMBERS
PC340LC-7E0 K45001
PC340NLC-7E0 K45001
and up

KOMATSU®

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Specifications

PC340LC-7, PC340NLC-7

Machine model				PC340LC-7	PC340NLC-7
Serial number				50001 and up	
Bucket capacity			m^3	1.4	1.4
Operating weight			kg	33,450	32,970
Performance	Working range	Max. digging depth	mm	7,380	7,380
		Max. vertical wall digging depth	mm	6,480	6,480
		Max. digging radius	mm	11,100	11,100
		Max. reach at ground level	mm	10,920	10,920
		Max. digging height	mm	10,210	10,210
		Max. dumping height	mm	7,110	7,110
	Max. digging force (When power max. function is turned on)		kN {kg}	211.8 {21,600} (226.5 {23,100})	211.8 {21,600} (226.5 {23,100})
	Swing speed		rpm	9.5	9.5
	Swing operation max. slope angle		deg.	21	21
	Travel speed		km/h	Lo: 3.2 Mi: 4.5 Hi: 5.5	Lo: 3.2 Mi: 4.5 Hi: 5.5
	Gradeability		deg.	35	35
	Ground pressure		kPa{kg/cm^2}	57.9 {0.59}	66.7 {0.68}
Dimensions	Overall length		mm	11,180	11,180
	Overall width		mm	3,190	2,990
	Overall crawler width		mm	3,190	2,290
	Overall height (During transportation)		mm	3,280	3,280
	Machine body overall height		mm	3,130	3,130
	Ground clearance of upper structure bottom		mm	1,186	1,186
	Maximum ground clearance		mm	498	498
	Tail swing radius		mm	3,450	3,450
	Work equipment minimum swing radius		mm	4,310	4,310
	Top height at minimum swing radius of work equipment		mm	8,520	8,520
	Length of track on ground		mm	3,700	4,030
	Track gauge		mm	2,590	2,590
	Cab height		mm	3,130	3,130
	Width of standard shoe		mm	700	600

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Information in troubleshooting table

★ The following information is summarized in the troubleshooting table and the related electrical circuit diagram. Before carrying out troubleshooting, understand that information fully.

Action code	Failure code	Trouble	
Display on machine monitor	**Display on machine monitor**	Trouble	**Trouble name displayed in abnormality record machine monitor**
Contents of trouble	**Contents of trouble detected by machine monitor or controller**		
Action of machine monitor or controller	**Action taken by machine monitor or controller to protect system or devices when engine controller detects trouble**		
Problem that appears on machine	**Problem that appears on machine as result of action taken by machine monitor or controller (shown above)**		
Related information	**Information related to detected trouble or troubleshooting**		

	Cause		Standard value in normal state/Remarks on troubleshooting
Possible causes and standard value in normal state	1 2 3 4	Possible causes of trouble (Given numbers are reference numbers, which do not indicate priority)	**<Contents of description>** **• Standard value in normal state to judge possible causes Remarks on judgment** **<Troubles in wiring harness>** **• Disconnection** **Connector is connected imperfectly or wiring harness is broken.** **• Ground fault** **Wiring harness which is not connected to chassis ground circuit is in contact with chassis ground circuit.** **• Hot short** **Wiring harness which is not connected to power source (24 V) circuit is in contact with power source (24 V) circuit.** **• Short circuit** **Independent wiring harnesses are in contact with each other abnormally.** **<Precautions for troubleshooting>** **(1) Method of indicating connector No. and handling of T-adapter** **Insert or connect T-adapter as explained below for troubleshooting, unless otherwise specified.** **• If connector No. has no marks of "male" and "female", disconnect connector and insert T-adapters in both male side and female side.** **• If connector No. has marks of "male" and "female", disconnect connector and connect T-adapter to only male side or female side.** **(2) Entry order of pin Nos. and handling of tester leads** **Connect positive (+) lead and negative (–) lead of tester as explained below for troubleshooting, unless otherwise specified.** **• Connect positive (+) lead to pin No. or wiring harness entered on front side.** **• Connect negative (–) lead to pin No. or harness entered on rear side.**

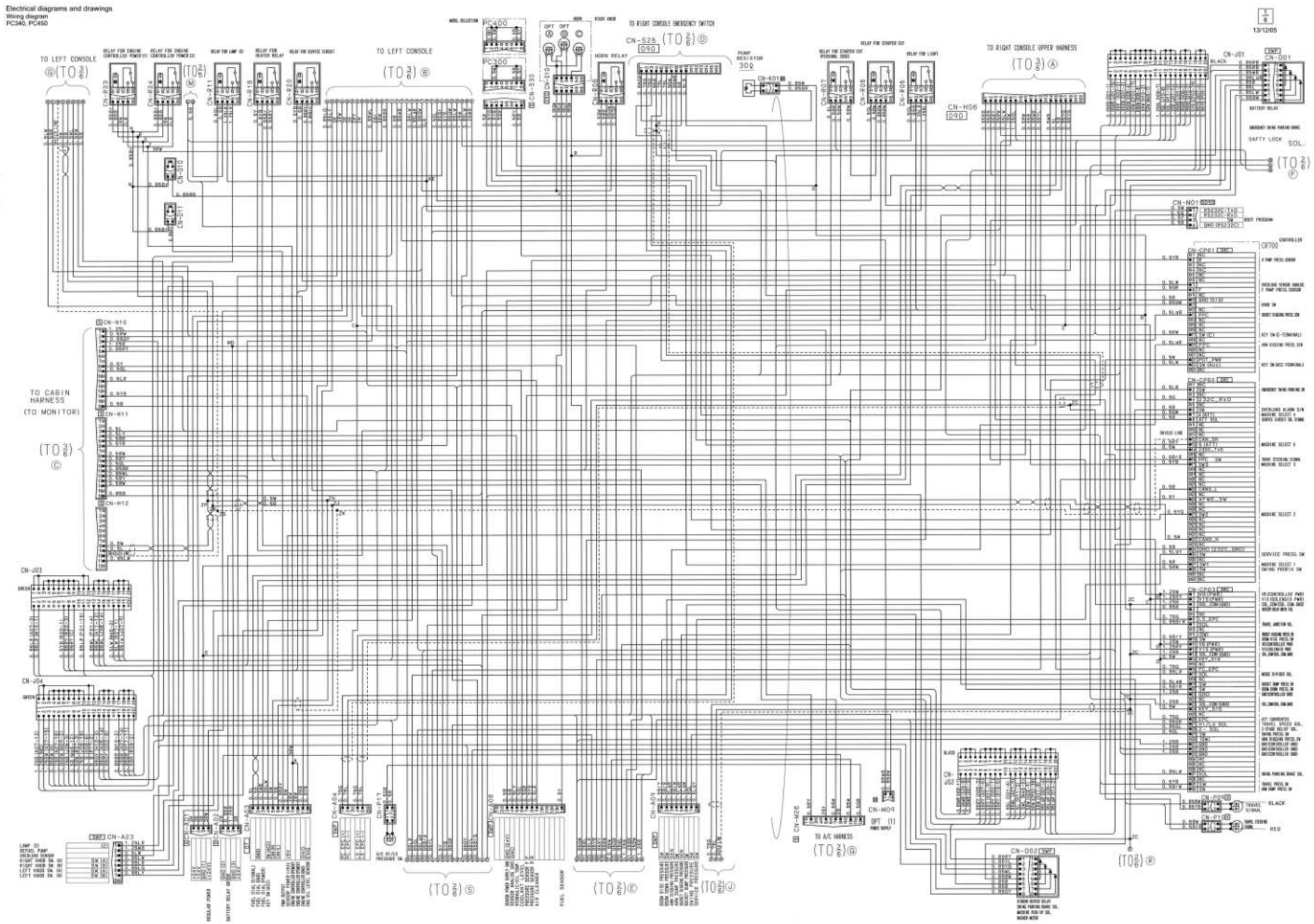
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<table>
<tr><td rowspan="6">Possible causes and standard value in normal state</td><td colspan="2">Cause</td><td colspan="4">Standard value in normal state/Remarks on troubleshooting</td></tr>
<tr><td rowspan="3">5</td><td rowspan="3">Hot short (Short circuit with 24V circuit) in wiring harness</td><td colspan="4">★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.</td></tr>
<tr><td colspan="2">Wiring harness between CP03 (female) (37) – D01 – H06 – S04 (male) (3) and chassis ground</td><td>Voltage</td><td>Max. 1 V</td></tr>
<tr><td colspan="2">Wiring harness between V05 (female) (2) – A05 – H06 – S04 (male) (4) and chassis ground</td><td>Voltage</td><td>Max. 1 V</td></tr>
<tr><td rowspan="3">6</td><td rowspan="3">Defective pump controller</td><td colspan="4">★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.</td></tr>
<tr><td>CP03 (female)</td><td rowspan="2">Disconnect D01 and connect pins (3) and (7) on male side directly.</td><td colspan="2">Resistance</td></tr>
<tr><td>Between (37) – chassis ground</td><td colspan="2">20 – 60 Ω</td></tr>
</table>

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Electrical diagrams and drawings

Electrical circuit diagram (1/6)



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