CEBM016802

Shop Manual

KOMATSU®

GALEO

PC300LC-7E0
PC300HD-7E0

HYDRAULIC EXCAVATOR

SERIAL NUMBERS

PC300LC-7E0	A88001	and UP
PC300HD-7E0	A86001	

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SPECIFICATIONS

Machine model				PC300LC-7E0	PC300HD-7E0
Serial Number				88001 and UP	86001 and UP
Bucket capacity			m³ (ft³)	1.4 (50)	1.4 (50)
Operating weight			kg (lb)	33,810 (74,538)	37,706 (83,127)
Performance	Working ranges	Max. digging depth	mm (in)	7,380 (291)	7,277 (286)
		Max. vertical wall depth	mm (in)	6,480 (255)	6,377 (251)
		Max. digging reach	mm (in)	11,100 (437)	11,100 (437)
		Max. reach at ground level	mm (in)	10,920 (430)	10,920 (430)
		Max. digging height	mm (in)	10,210 (402)	10,313 (406)
		Max. dumping height	mm (in)	7,110 (280)	7,213 (284)
	Max. digging force		kN (lbf)	211.8 (47,615)	211.8 (47,615)
	(using power max. function)		kN (lbf)	226.5 (50,919)	226.5 (50,919)
	Swing speed		rpm	9.5 (	9.5
	Swing max. slope angle		deg.	21	21
	Travel speed		km/h (mph)	—	—
	—		Lo:	3.2 (2.0)	2.5 (1.6)
	—		Mi:	4.5 (3.0)	4.0 (2.5)
	—		Hi:	5.5 (3.4)	4.9 (3.0)
	Grade ability		deg.	35	35
	Ground pressure		kPa (psi)	53.0 (8.0)	62.8 (9.0)
	[standard shoe width]		[mm]	[700]	[700]
Dimensions	Overall length		mm (in)	11,140 (439)	11,140 (439)
	Overall width		mm (in)	3,290 (130)	3,440 (135)
	Overall width of track		mm (in)	3,290 (130)	3,440 (135)
	Overall height (for transport)		mm (in)	3,280 (129)	3,383 (133)
	Overall height to chassis		mm (in)	3,130 (123)	3,233 (127)
	Ground clearance to bottom of upper structure		mm (in)	1,186 (47)	1,300 (51)
	Maximum. ground clearance		mm (in)	498 (20)	550 (22)
	Tail swing radius		mm (in)	3,450 (136)	3,450 (136)
	Minimum swing radius of work equipment		mm (in)	4,310 (170)	4,310 (170)
	Height of work equipment at Min. swing radius		mm (in)	8,520 (335)	8,523 (336)
	Length of track on ground		mm (in)	4,030 (159)	4,350 (172)
	Track gauge		mm (in)	2,590 (102)	2,740 (108)
	Height of machine cab		mm (in)	3,130 (123)	3,233 (127)
	Width of standard shoe		mm (in)	700 (28)	700 (28)

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Electrical Circuit Diagram

This is part of the electrical circuit diagram which shows the portion where the failure occurred.

- Connector No.: Indicates (Type - numbers of a pin) (color)
- Arrow: Roughly indicates the location in the machine where it is installed.

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FAILURE CODE [CA234]

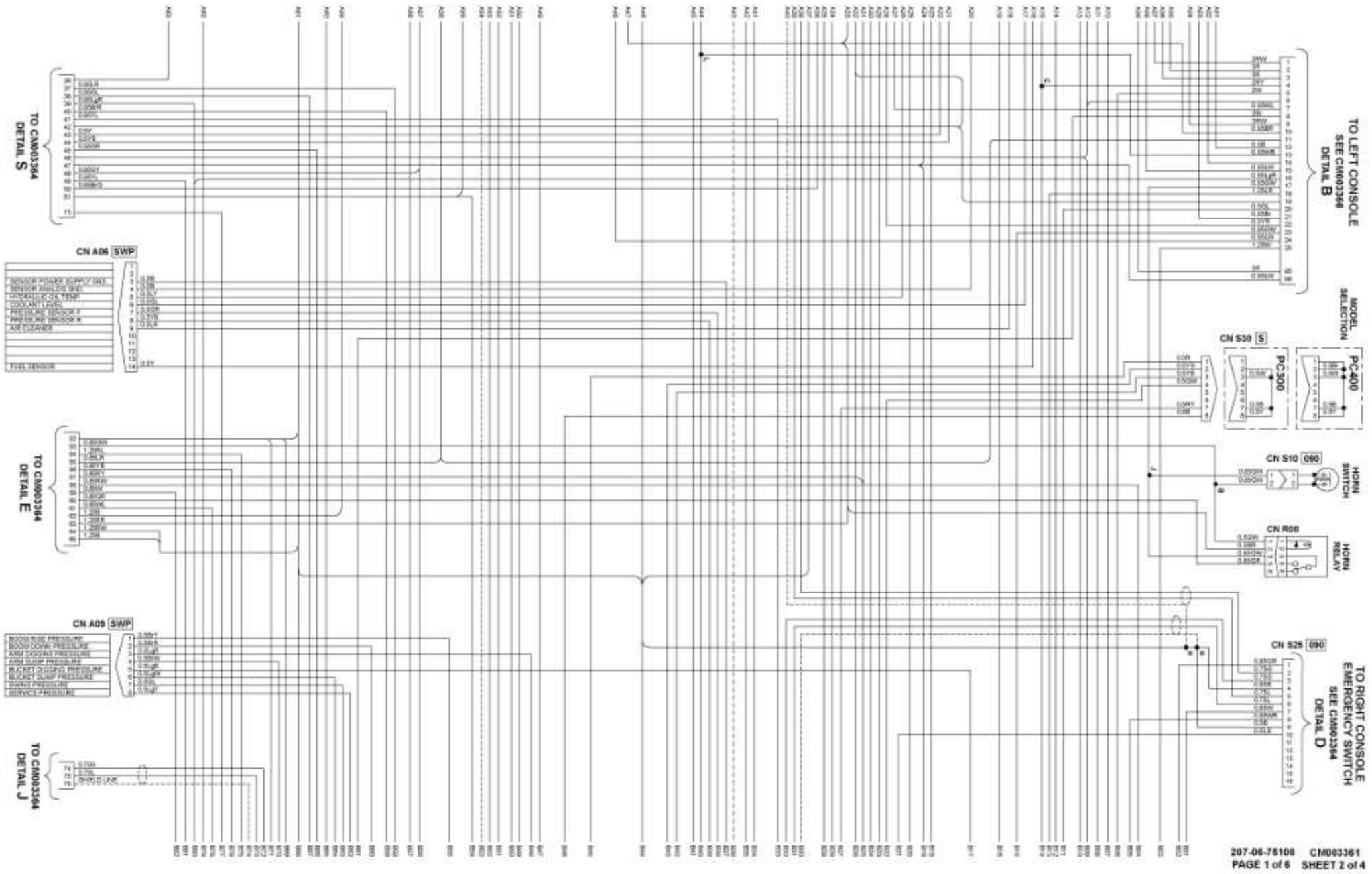
ENGINE OVER SPEED

Action Code	Failure Code	Controller Code	Trouble	Engine overruns
—	CA2341	ENG		
Description of Trouble	• Engine speed exceeded operating range.			
Controller Reaction	• None in particular • If cause of failure disappears, system resets itself.			
Effect on Machine	• If machine is operated as it is, engine may be damaged.			
Related Information	• Method of reproducing failure code: Run engine at high idle			

		Causes	Standard Value in Normal State and Remarks on Troubleshooting
Diagnostic procedures for error code	1	Incorrect fuel	Check for correct type of fuel
	2	Defective engine mechanical system	Machine may be used improperly. Teach operator proper using method.
	3	Defective engine controller	If cause 1 is not detected, engine controller may be defective. (Since trouble is in system, troubleshooting cannot be carried out.)

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CABIN HARNESS VIEW 1



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