CEBM002901

SHOP MANUAL

KOMATSU®

PC300LC-6
PC300HD-6

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC300LC-6 - A83001 and up
SERIAL NUMBERS PC300HD-6 - A83001 and up

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WEIGHT TABLE

⚠ This weight table is a guide for use when transporting or handling component.

Unit: kg

Machine model	PC300LC-6	PC300HD-6
Serial Number	A83001 and up	
Engine assembly	1000	
• Engine	675	
• Damper	14.7	
• Hydraulic pump	200	
Radiator, oil cooler assembly	165	
Hydraulic tank, filter assembly (exc oil)	226	
Fuel tank (exc fuel)	218	
Revolving frame	2612	
Operators cab	287	
Operators seat	29	
Counterweight	6320	
Swing machinery	380	
Control valve (standard)	256	
Swing motor	81	
Travel motor	173 x 2	
Center swivel joint	37	
Track frame assembly	8560	11884
• Track frame	5182	7495
• Swing circle	487	
• Idler	166 x 2	234 x 2
• Idler cushion	257 x 2	363 x 2
• Carrier roller	31 x 4	
• Track roller	52 x 16	72 x 14
• Final drive (includes travel motor)	629 x 2	788 x 2

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Machine model			PC300LC-6	PC300HD-6
Serial Number			A83001 and up	
Track shoe assembly	Standard triple grouser shoe	{600 mm}	3840	4430
	Standard double grouser shoe	{700 mm}	---	5450
	Standard triple grouser shoe	{700 mm}	4220	4850
	Heavy duty triple grouser shoe	{700 mm}	---	5220
	Wide triple grouser shoe	{800 mm}	4560	5290
	Wide triple grouser shoe	{850 mm}	4790	---
Boom assembly			2478	2580
Arm assembly			1615	1747
Bucket assembly			1014	1274
Boom cylinder assembly			296 x 2	
Arm cylinder assembly			425	447
Bucket cylinder assembly			263	
Link assembly			320	
Boom pin			76 + 15 x 2 + 56 + 17 + 42	
Arm pin			13 + 17	10 x 2
Bucket pin			30 x 2	20 x 2
Link pin			27 x 2	13 x 2

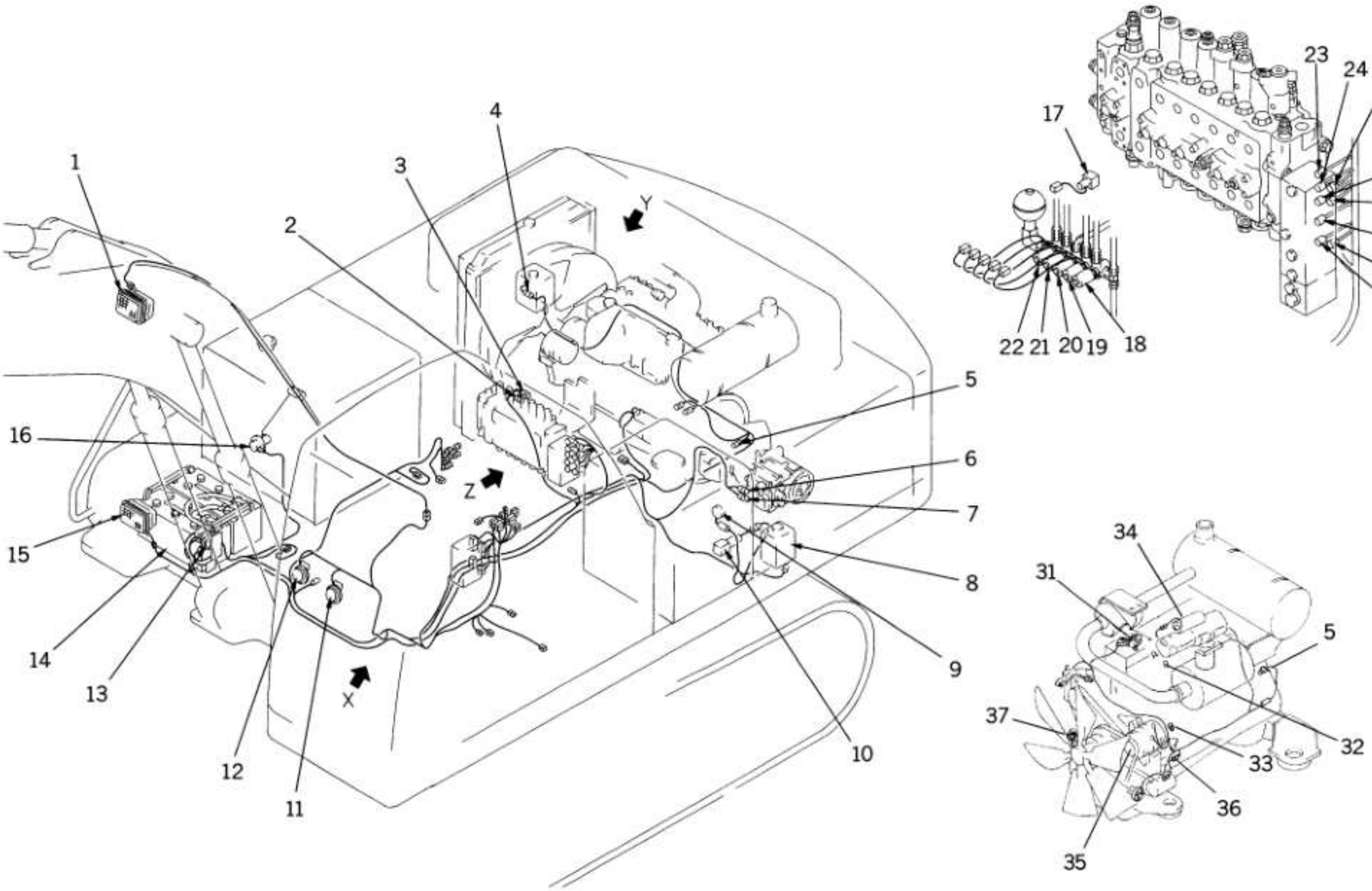
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SPECIFICATIONS

Machine model			PC300LC-6	PC300HD-6
Serial number			A83001 and up	
Bucket capacity			0.96 m³ to 2.29 m³	
Operating weight			32800 kg	37400 kg
Performance	Working range	Max digging depth	See WORK EQUIPMENT on page 01-4.	
		Max vertical wall depth		
		Max digging reach		
		Max reach at ground level		
		Max digging height		
		Max dumping height		
	Max digging force (using power max function)			
	Swing speed		10 rpm	
	Swing max slope angle		21°	
	Travel speed		**Lo**: 3.2 km/h **Mi**: 4.5 km/h **Hi**: 5.5 km/h	**Lo**: 2.2 km/h **Mi**: 3.5 km/h **Hi**: 4.4 km/h
	Grade ability		35°	
	Ground pressure {standard triple grouser shoe width}		0.53 kg/cm² {700 mm}	0.62 kg/cm² {700 mm}
Dimensions	Overall length (for transport)		See MACHINE on page 01-2.	
	Overall width			
	Overall width of track			
	Overall height (for transport)			
	Overall height to top of cab			
	Ground clearance of counterweight			
	Min ground clearance			
	Tail swing radius			
	Min swing radius of work equipment			
	Height of work equipment at min swing radius			
	Length of track on ground			
	Track gauge			
	Height of machine cab			

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ELECTRICAL WIRING DIAGRAM (2/2)



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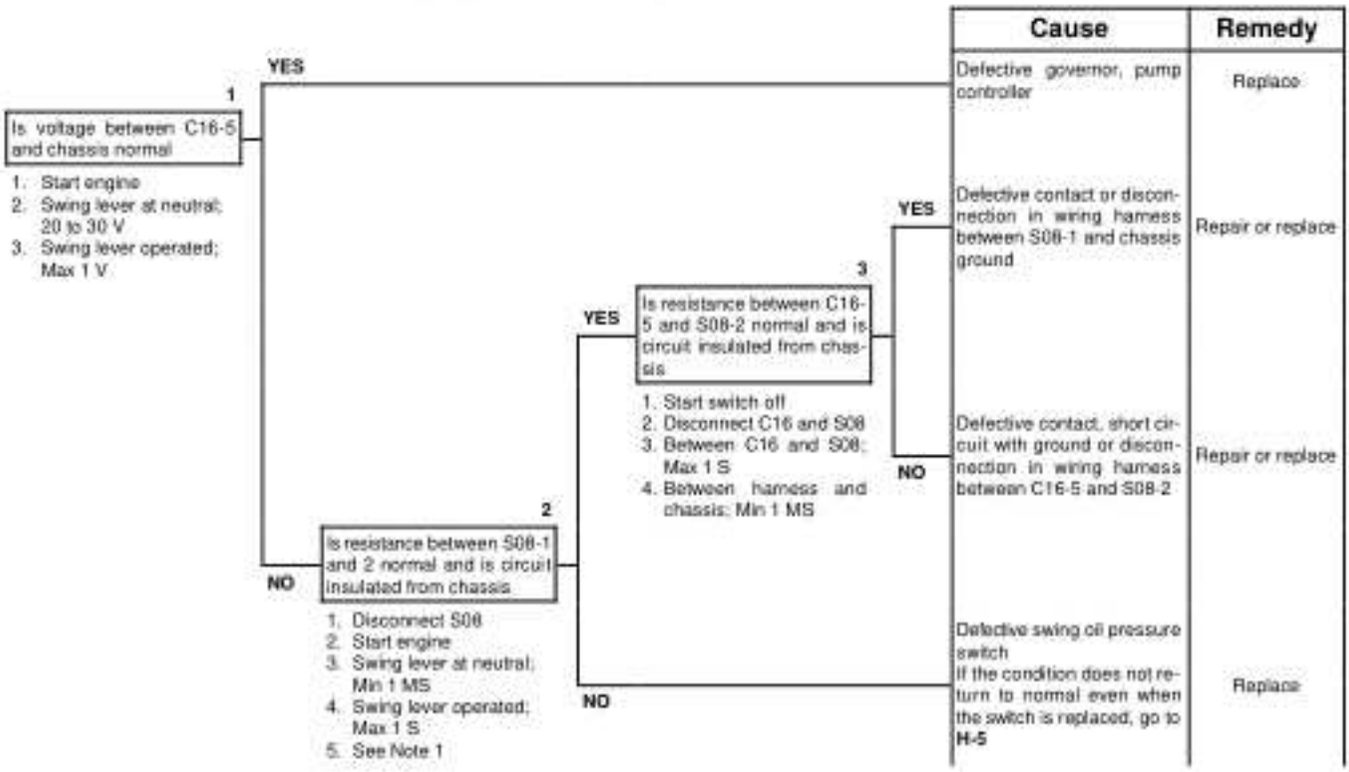
F-1 Bit pattern 20-[1] Swing oil pressure switch does not light up

i This troubleshooting is carried out when there is still an abnormality, so when disconnecting the connector an d inserting the T-adapter, or when removing the T-adapter and returning the connector to its original position, if the monitor code display returns to normal, the problem has been removed.

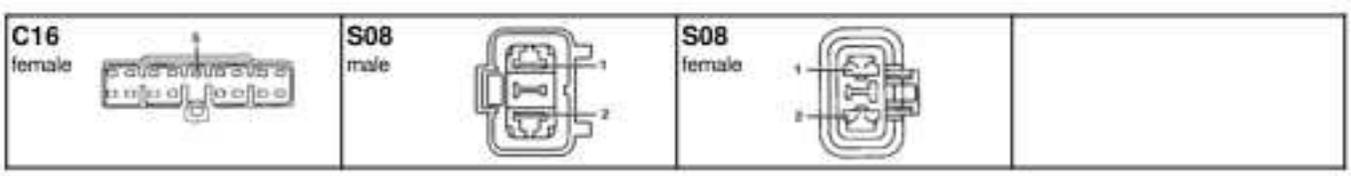
⚠ **WARNING!** Turn the swing lock switch ON before operating the swing lever.

i If there is no display when the lever is operated on one side, the PPC shuttle valve is defective. See **H-5**. When measuring with the engine stopped, charge the accumulator first.

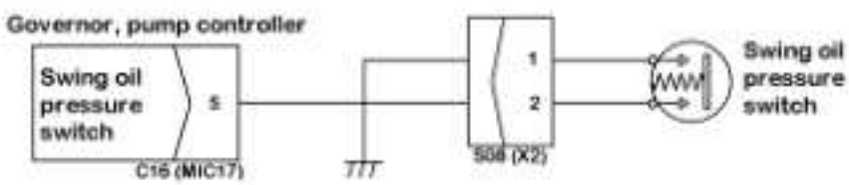
i Before carrying out troubleshooting, check that all the related connectors are properly inserted. Always connect any disconnected connectors before going on the next step.



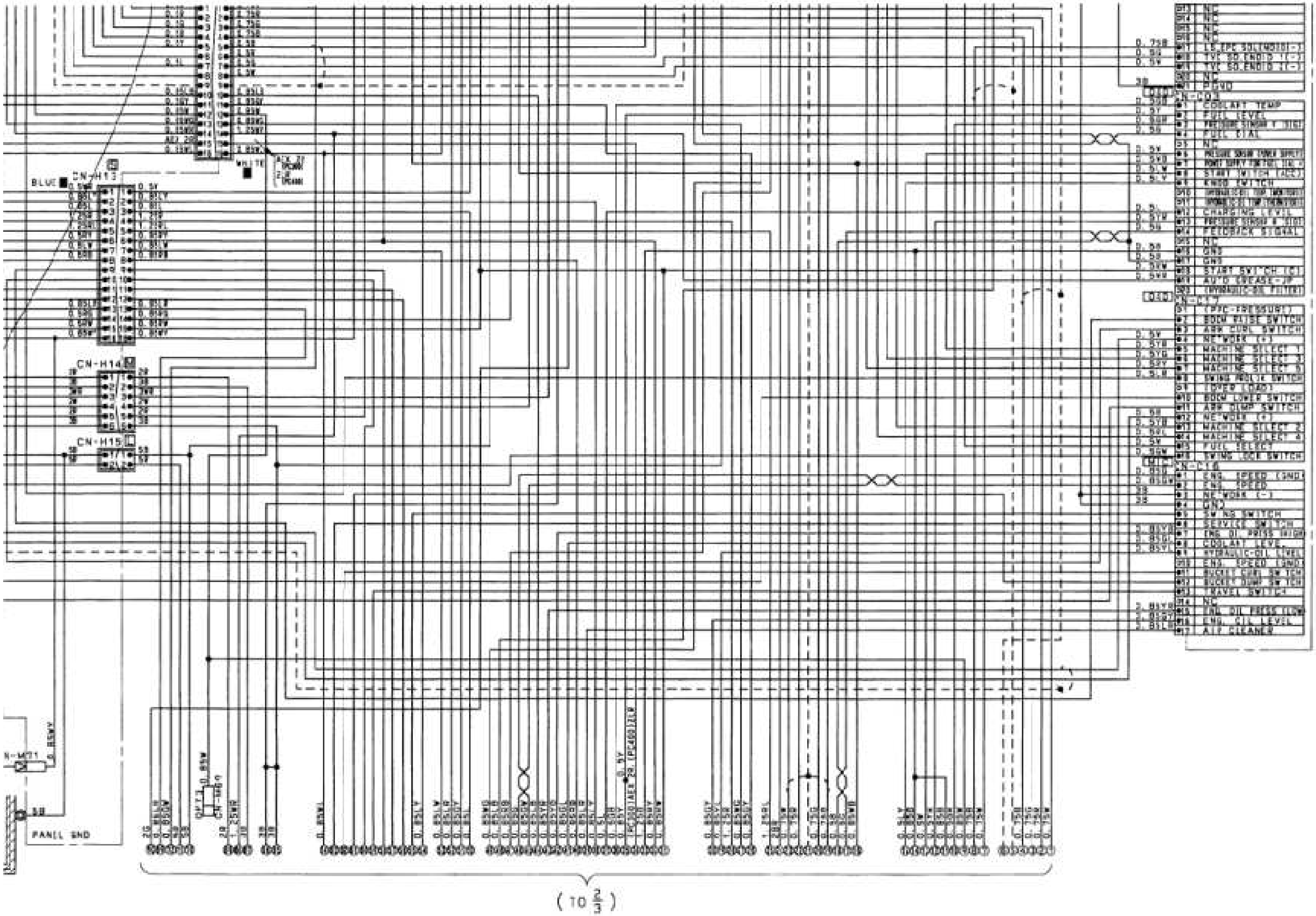
Note 1 It is also possible to fit a short connector and judge the condition. In this case, check the voltage betwee n C16-5 and the chassis. If it is 20 to 30 V ..... Go to **YES**
If it is less than 1 V ..... Go to **NO**



F-1 Related electric circuit diagram



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