CEBM014600

Shop Manual

KOMATSU®

GALEO

PC270LL-7L

LOGGING EXCAVATOR

SERIAL NUMBERS **PC270LL-7L** **A86001** and UP

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No.	Failure-looking phenomenon	Troubleshooting			
		Code display	E mode	H mode	Engine
Work equipment-related failure					
29	Boom moves slowly or lacks power		E-21, 22	H-7	
30	Arm moves slowly or lacks power		E-23, 24	H-8	
31	Bucket moves slowly or lacks power		E-25, 26	H-9	
32	Boom, arm or bucket does not move			H-10	
33	Natural drift of work equipment is too fast			H-11	
34	Work equipment time lag is too big			H-12	
35	Other work equipment moves, when specific work equipment is relieved			H-13	
36	One-touch power max. switch does not work	E-9, 21–26		H-14	
Compound operation-related failure					
37	In compound operation, work equipment with larger load moves slowly			H-15	
38	In swing + boom RAISE operation, boom moves slowly			H-16	
39	In swing + travel operation, travel speed drops sharply			H-17	
Travel-related failure					
40	Machine tends to swerve while in travel			H-18	
41	Travel speed is slow		E-28	H-19	
42	Machine is difficult to steer, or lacks power		E-28, 29	H-20	
43	Travel speed cannot be shifted or is slow or fast		E-28	H-21	
44	Track shoe does not move (only on one side)			H-22	
Swing-related failure					
45	Machine does not swing		E-27	H-23	
46	Swing acceleration is poor, or swing speed is slow			H-24	
47	Upper structure overruns excessively, when stopping swing			H-25	
48	There is a big shock caused when stopping swing			H-26	
49	There is abnormal noise generated when stopping swing			H-27	
50	There is natural drift while in swing			H-28	
Monitor panel-related failure (Operator's Menu: ordinary display)					
51	No display appears in monitor panel at all		E-10		
52	Part of display is missing in monitor panel		E-11		
53	Descriptions on monitor panel do not apply to the machine model		E-12		
54	In startup inspection, radiator water level monitor lamp lights up red (∓)	B@BCZK			
55	In startup inspection, engine oil level monitor lamp lights up red	B@BAZK			

∓: The multi-monitor specification machine only.

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POINTS TO REMEMBER WHEN TROUBLESHOOTING SYSTEM

POINTS TO REMEMBER IF ABNORMALITY RETURNS TO NORMAL BY ITSELF

There is a high probability the same problem will occur again, it is desirable to follow up the problem carefully.

1. If any abnormality returns to normal by itself.
2. If the connector is disconnected and the T-adapter is inserted, or if the T-adapter is removed and the connector is returned to its original position when carrying out troubleshooting on the failure, and the service code is no longer displayed, or if the monitor display returns to normal.
3. After completing troubleshooting, always erase the user code from memory.

USER CODE MEMORY RETENTION FUNCTION

When displaying the codes in the memory and carrying out troubleshooting, record the content of the display first, then erase the display. After re-enacting the problem, carry out troubleshooting according to the failure codes that are now displayed.

There are cases where mistaken operation or abnormalities occur when a connector is disconnected. Erasing the data in this way saves any wasted work.

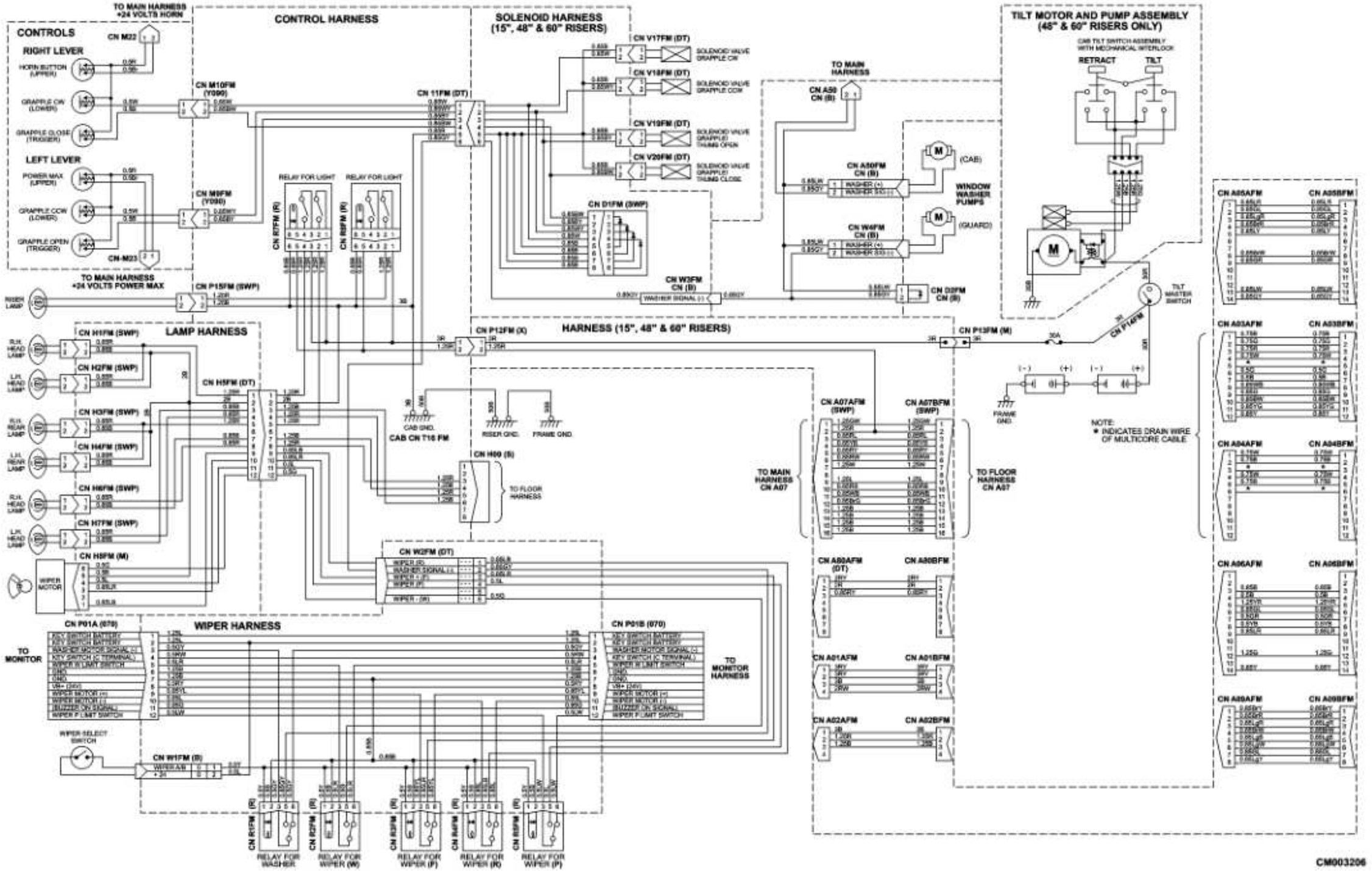
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Electrical Circuit Diagram

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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