SHOP MANUAL

KOMATSU®

PC160LC-7

MACHINE MODEL	SERIAL NUMBER
PC160LC-7	**10001 and up**

- This shop manual may contain attachiments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
  Materials and specifications are subject to change without notice.

- PC160LC-7 mount the SAA4D102E-2 engine.
- For details of the engine, see the 102 Series Engine Shop Manual.

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WEIGHT TABLE

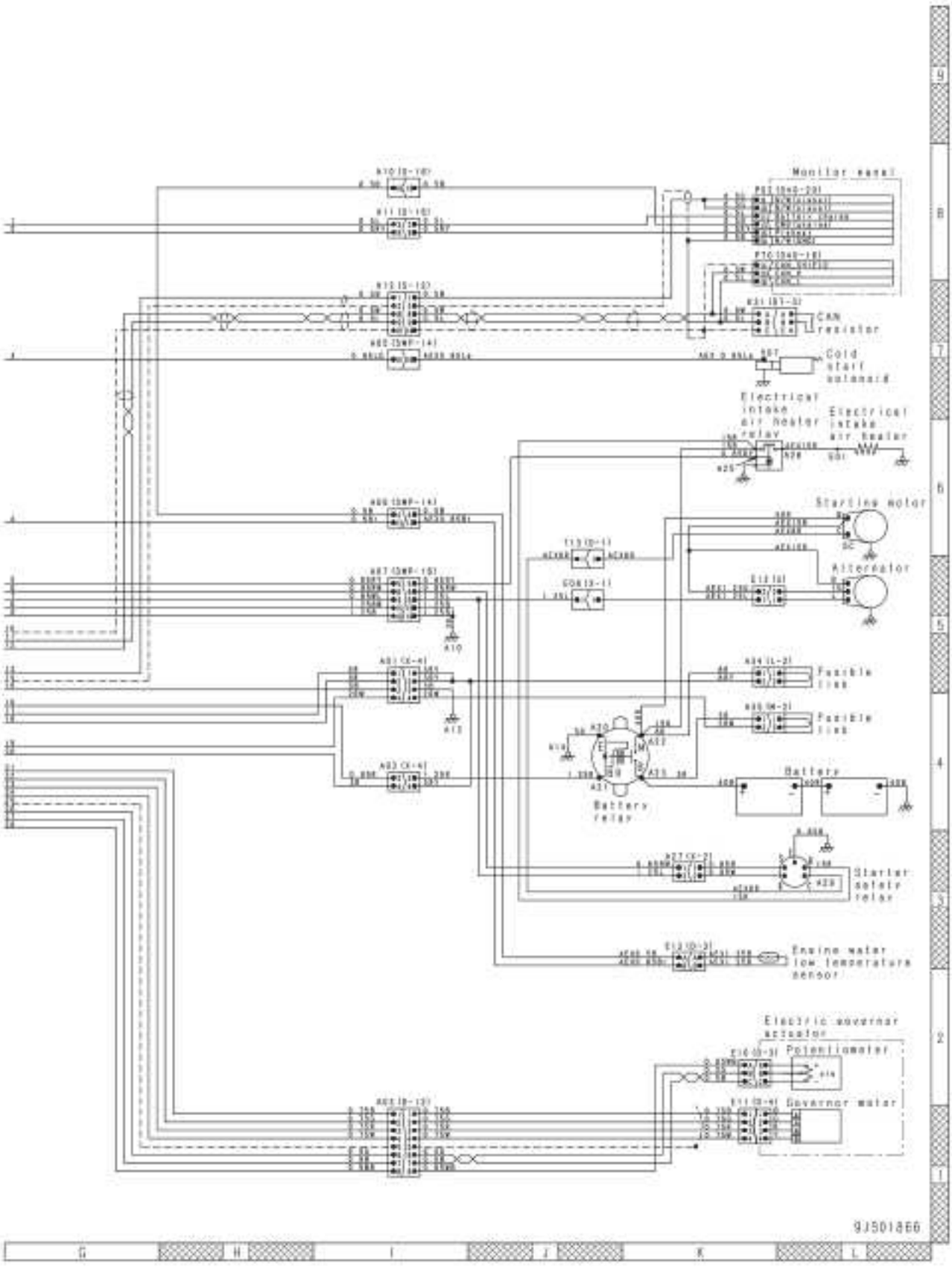
⚠ This weight table is for use when handling components or when transporting the machine.

Unit: kg

Machine model	PC160LC-7
Serial Number	10001 and up
Engine assembly	572
• Engine	445
• Damper	6
• Hydraulic pump	121
Radiator, oil cooler assembly	112
Hydraulic tank, filter assembly (excluding hydraulic oil)	116
Fuel tank (excluding fuel)	117
Revolving frame	1,490
Operator's cab	278
Operator's seat	35
Counterweight	2,850
Swing machinery (including swing motor)	176
Main control valve	125
Travel motor	98 x 2
Center swivel joint	36
Track frame assembly	3,868
• Track frame	1,934
• Swing circle	222
• Idler	99 x 2
• Idler cushion	130 x 2
• Carrier roller	16 x 4
• Track roller	36 x 14
• Final drive (including travel motor)	343 x 2

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★ This circuit diagram has been compiled by extracting the governor•pump controller system (power source, governor control, model selection and communication) from the overall electrical circuit diagram.



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BEFORE TROUBLESHOOTING FOR DISPLAYED CODE

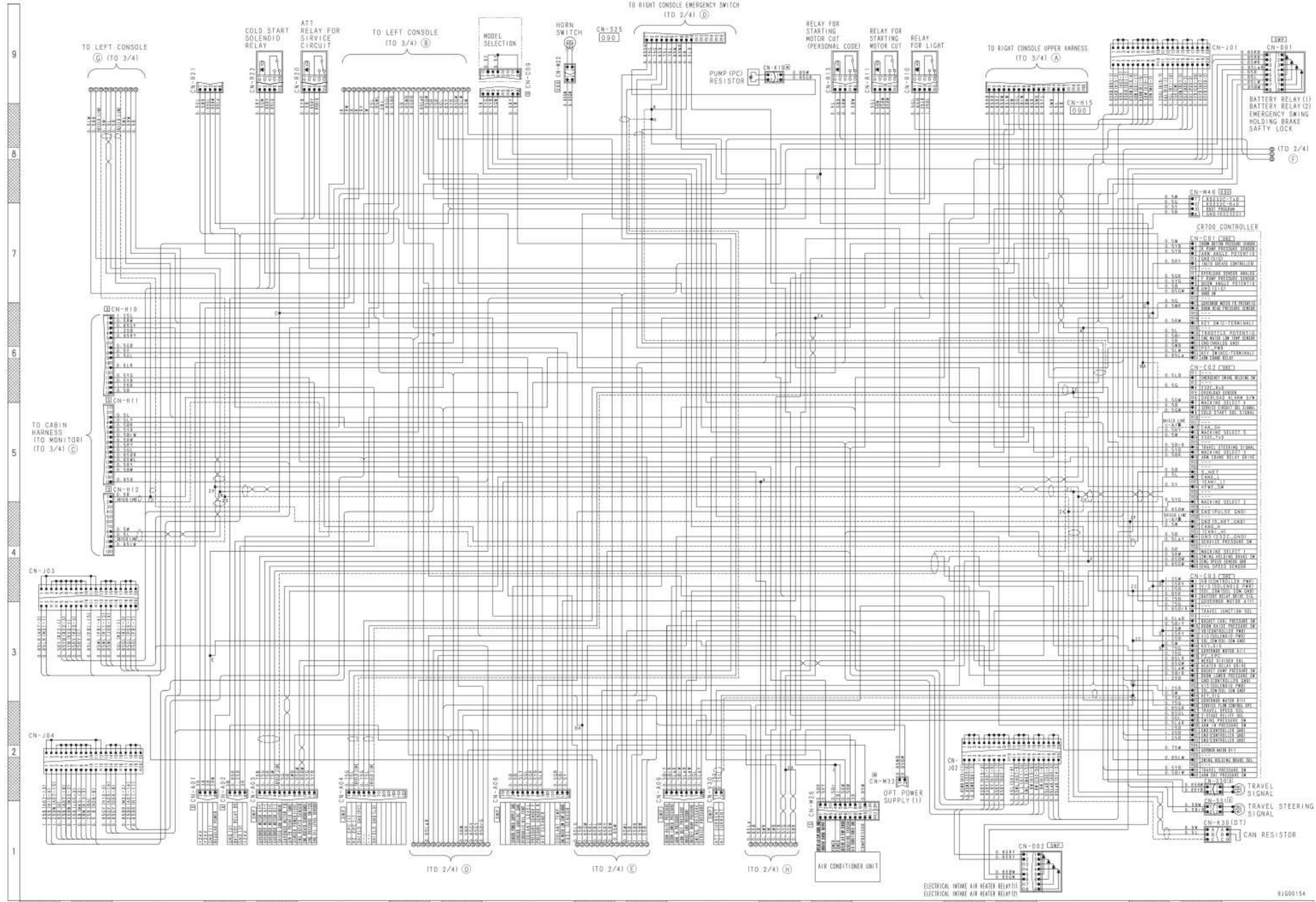
Error codes and failure codes and possible causes of them

Error code	Failure code	Possible causes																								
		Defective battery relay	Defective fuse or fusible link	Defective monitor panel	Governor pump controller	Defective sensor power supply (5 V)	Defective wiper motor	Defective windshield washer motor	Defective swing lock switch	Defective emergency pump driving switch	Model selector connector	Defective fuel control dial	Defective governor motor	Defective governor potentiometer	Defective engine speed sensor (including adjustment)	Defective cold starting solenoid relay	Defective engine oil pressure switch	Defective engine oil level switch	Defective engine water temperature sensor (for monitor)	Defective radiator water level switch	Defective air cleaner clogging switch	Defective alternator	Defective mechanical system of engine	Defective adjustment of governor lever
E101	DAF0KT		●	●																				
E112	DY2DKB			●			●																	
E113	DY2EKB			●			●																	
E114	DY2CKB			●				●																
E115	DY20KA			●			●																	
E116	DY20MA			●			●																	
E201	DW91KB				●																			
E203	DW45KB				●																			
E204	DWJ0KB				●																			
E205	DWK0KB				●																			
E206	DW43KB				●																			
E211	DW91KA				●																			
E213	DW45KA				●				●															
E214	DWJ0KA				●																			
E215	DWK0KA				●																			
E216	DW43KA				●																			
E217	DA2SKQ				●						●													
E218	DA2SKA			●	●																			
E224	DHPAMA				●	●																		
E225	DHPBMA				●	●																		
E226	DA25KP				●							●		●										
E227	DLE2MA				●										●									
E228	D196KB				●																			
E232	DXA0KB				●					●														
E233	DXA0KA				●					●														
E238	D196KA		●		●																			
E245	DXE4KB				●																			
E246	DXE4KA				●																			
E306	DK54KZ				●	●								●										
E308	DK10KZ				●	●						●												
E311	D199KB				●											●								
E312	D199KA		●		●											●								
E315	D110KB	●			●																			
E316	DY10K4				●							●	●	●										●
E317	DY10KA				●								●											
E318	DY10KB				●								●											
–	A000N1				●																		●	
–	A000N2				●																		●	
–	AA10NX			●																	●			
–	AB00KE			●																		●		
–	B@BAZG			●													●							
–	B@BAZK			●														●						
–	B@BCNS			●															●					
–	B@BCZK			●																●				
–	B@HANS			●																				

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ELECTRICAL CIRCUIT DIAGRAM (1/4)

Serial No.: 10001 – 11000



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