SEBM027803

SHOP MANUAL

KOMATSU®

BR100JG-2

MACHINE MODEL **BR100JG-2**

SERIAL NUMBER **1301 and up**

- This shop manual may contain attachments 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.

- BR100JG-2 mount the 4D95LE-2 engine.
  For details of the engine, see the 95-2 Series Engine Shop Manual.

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WEIGHT TABLE

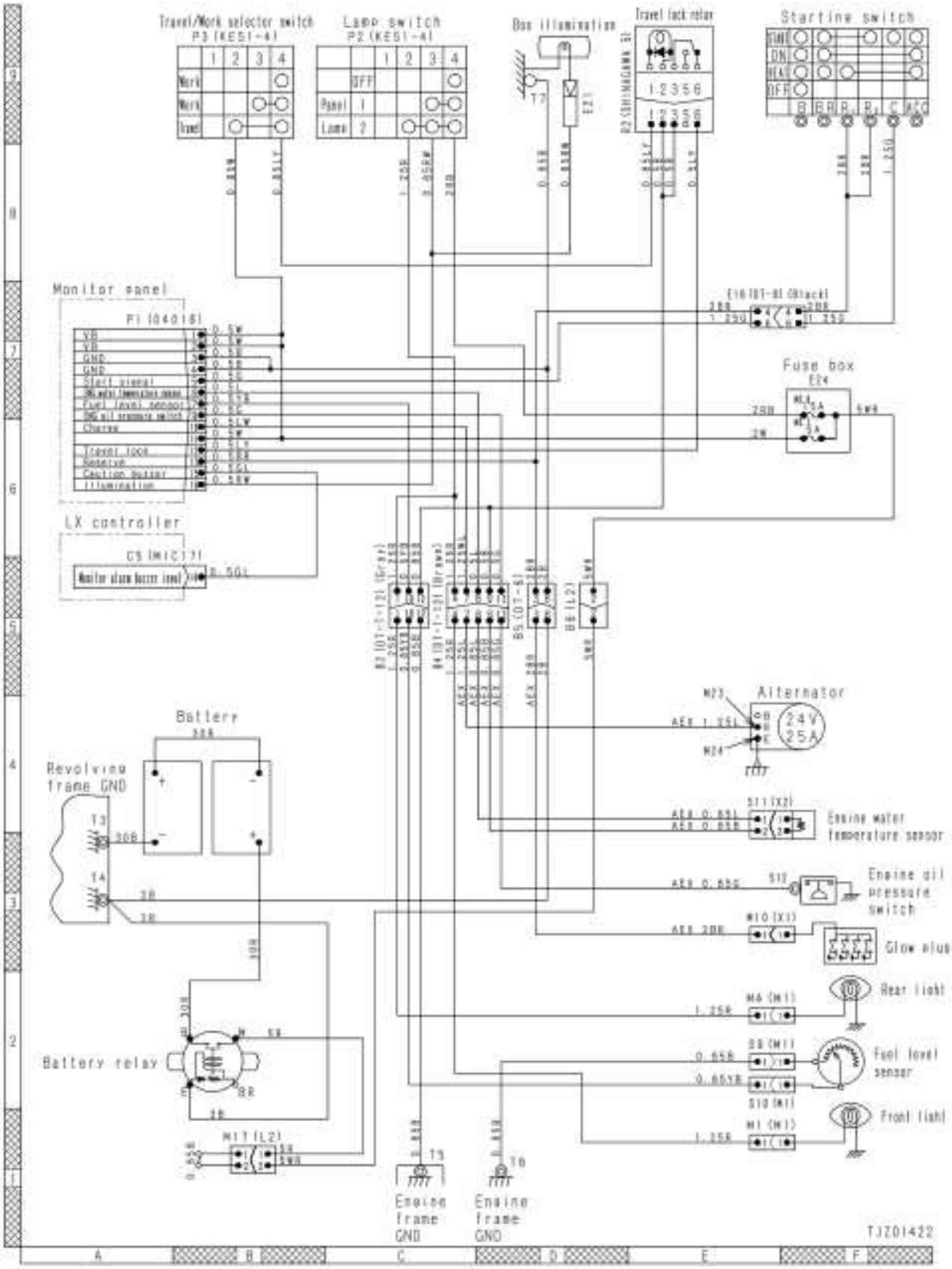
⚠ This weight table is for reference when handling or transpoeting components.

Unit: kg

Machine model	BR100JG-2
Serial No.	1301 and up
Engine assembly • Engine (excluding water and oil) • Damper • Hydraulic pump	445 382 6 57
Radiator, oil cooler assembly	31
Hydraulic tank, filter assembly (excluding hydraulic oil)	58
Fuel tank assembly (excluding fuel)	50
Main frame	393
Rear cover	63
Control valve	39
Travel motor	56 x 2
Crusher motor	46
Primary conveyor motor assembly	10
Grizzly feeder motor	8
Track frame assembly • Track frame • Idler • Idler cushion • Carrier roller • Track roller • Final drive (including travel motor)	1,155 800 45 x 2 17 x 2 2.5 x 4 10 x 12 63 x 2
Track shoe assembly • Standard triple shoe (400 mm)	321 x 2
Hopper	250
Grizzly feeder assembly	254
Jaw crusher assembly	4,200
Primary belt conveyor assembly	552

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M MODE SYSTEM ELECTRICAL CIRCUIT DIAGRAM



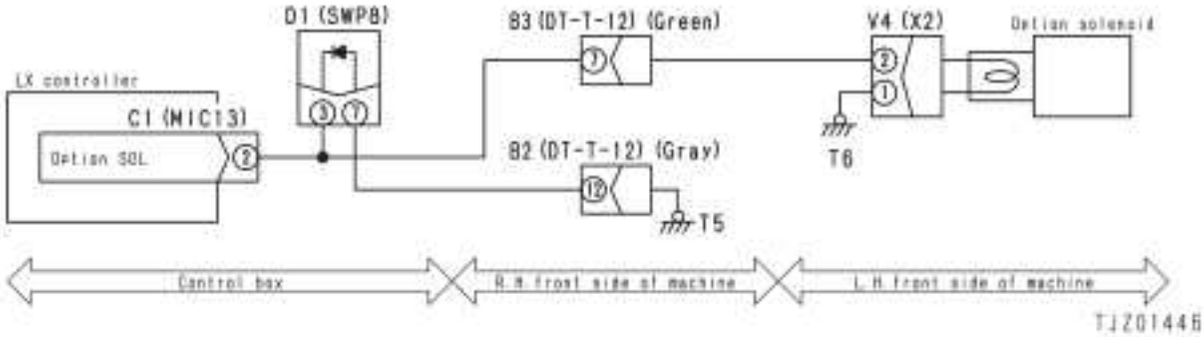
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Failure code [78] Short circuit in option solenoid system

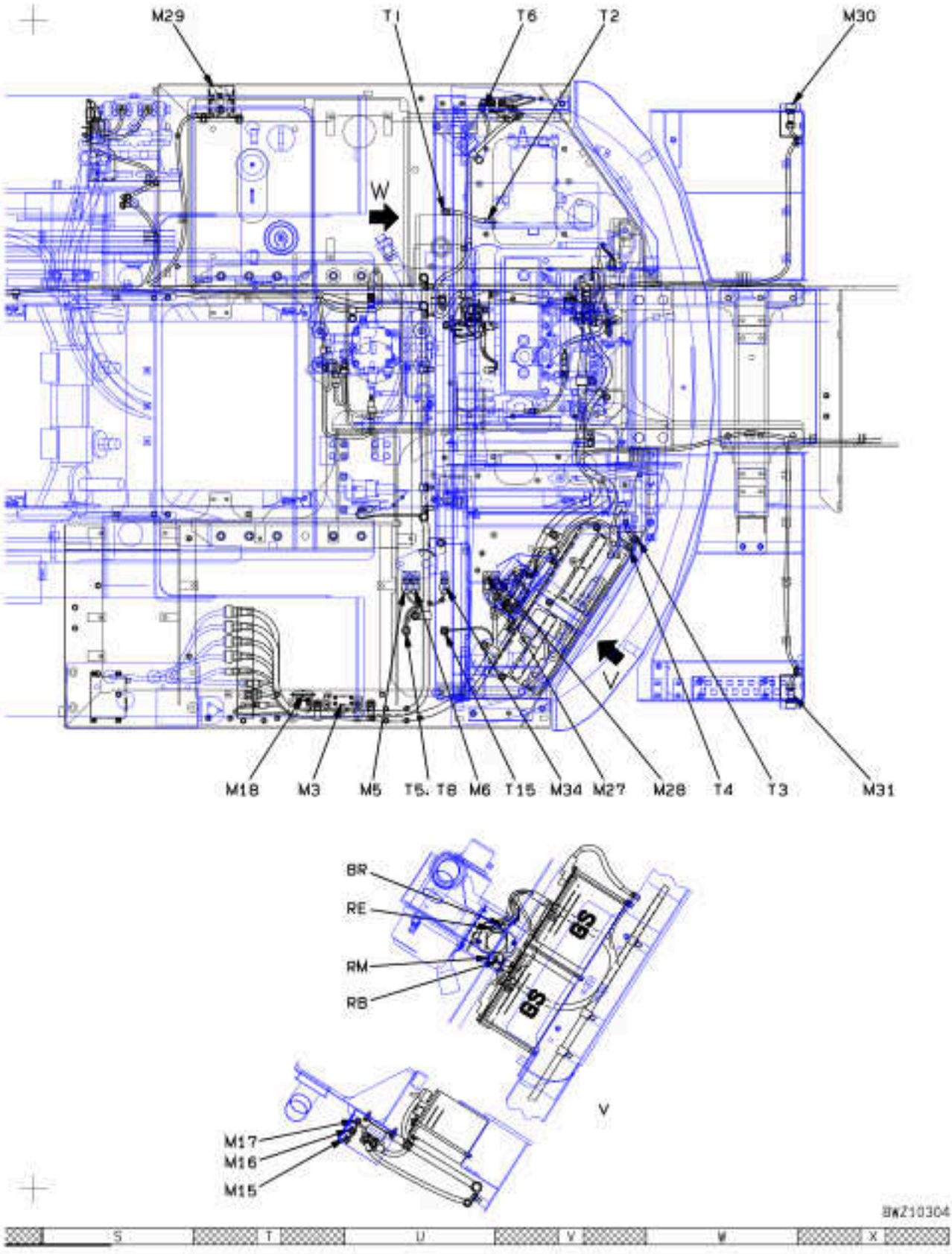
Failure display code	78	Failure	Short circuit in option solenoid system
Nature of failure	Short circuit in option solenoid output		
Action taken by controller	Stops option solenoid output		
Problem that appears on machine	Option does not move		

	Cause		Standard value when normal, remarks when troubleshooting		
Probable cause and standard value when normal	1	Defective option solenoid	★ Turn starting switch OFF for preparation; keep OFF for troubleshooting		
			V4 (male)	Resistance value	
			Between ① and ②	20 – 60 Ω	
	2	Defective diode	★ Turn starting switch OFF for preparation; keep OFF for troubleshooting		
			D1 (male)	Resistance value	
			Between ③ and ⑦	Min. 1 MΩ	
	3	Short circuit with chassis ground in wiring harness	★ Turn starting switch OFF for preparation; keep OFF for troubleshooting		
			Between C1 (female) ② – V4 (female) ② and ground	Resistance value	Min. 1 MΩ
	4	Defective controller	★ Turn starting switch OFF for preparation; keep OFF for troubleshooting		
			C1 (female)	Resistance value	
			Between ② and ground	20 – 60 Ω	

Related electrical circuit diagram for option solenoid system

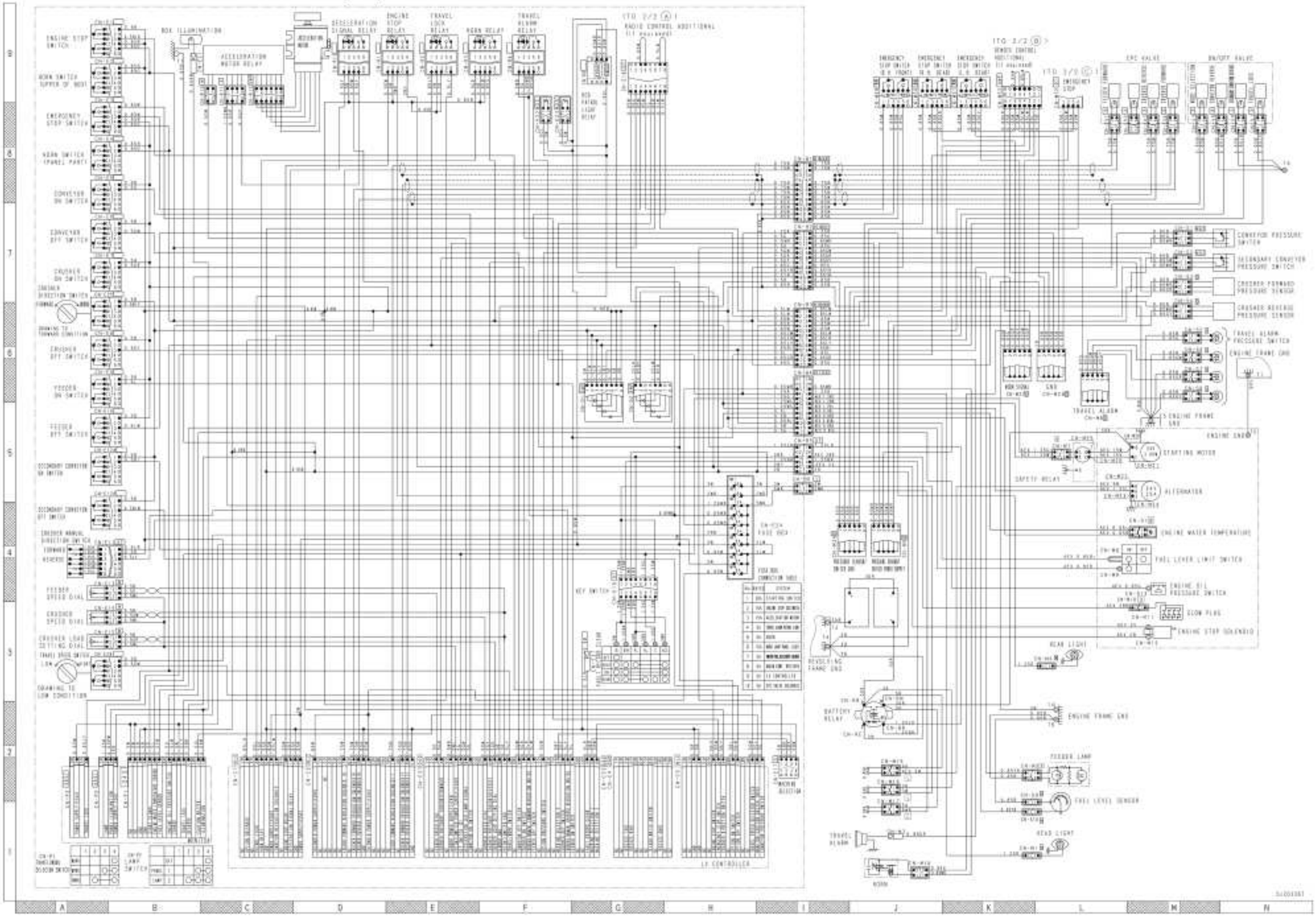


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ELECTRICAL CIRCUIT DIAGRAM (1/2)



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