SHOP MANUAL

KOMATSU®

PC20MRX-1

MACHINE MODEL	SERIAL NUMBER
PC20MRX-1	**10001 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.

- PC20MRX-1 mount the 3D74E-N3A engine.
  For details of the engine, see the 68E-88E Series Engine Shop Manual.

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●	Page to be replaced	Replace
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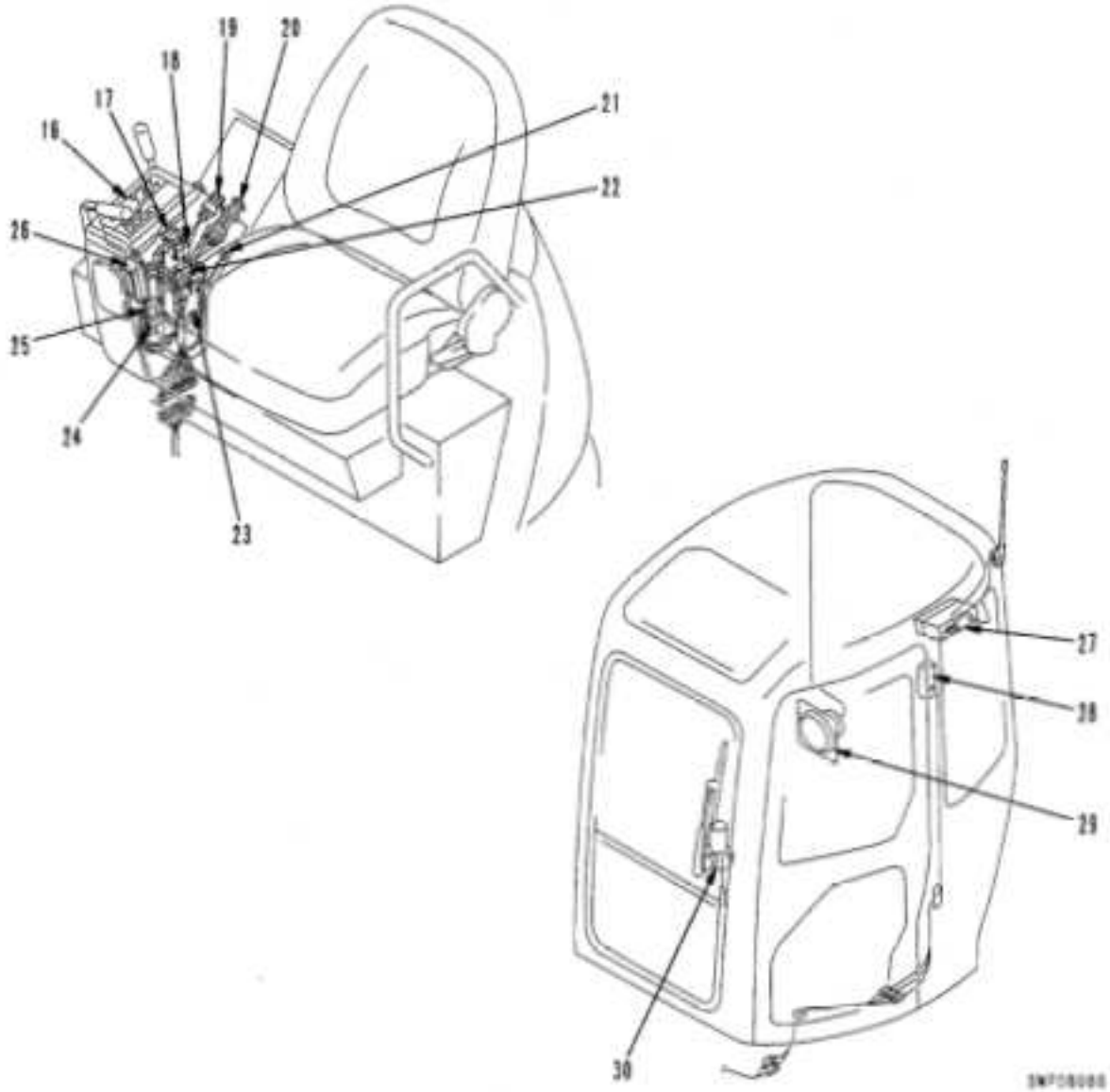
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SPECIFICATIONS

Machine model				PC20MRX-1	
				Canopy specification	Cab specification
Serial number				10001 and up	
Bucket capacity			m³	0.066	0.066
Operating weight			kg	2,190 (※2,290)	2,260 (※2,360)
Performance	Working ranges	Max. digging depth	mm	2,360	2,360
		Max. vertical wall depth	mm	2,020	2,020
		Max. digging reach	mm	4,235	4,235
		Max. reach at groung level	mm	4,115	4,115
		Max. digging height	mm	3,845	3,845
		Max. dump ing height	mm	2,580	2,580
		Bucket offset	mm	565 (L.H.), 610 (R.H.)	565 (L.H.), 610 (R.H.)
		Max. blade lifting height	mm	340	340
		Max. blade lowering depth	mm	230	230
	Max. digging force (bucket)		kN {kg}	18.8 {1,920}	18.8 {1,920}
	Swing speed		rpm	9.3	9.3
	Swing max. slope angle		°	20	20
	Travel speed		km/h	4.8 (Hi)/ 2.4 (Lo)	4.8 (Hi)/ 2.4 (Lo)
	Gradeability		°	30	30
	Ground pressure (at rubber shoe)		kPa {kg/cm²}	26.7 {0.27}	27.5 {0.28}
	Ground pressure (at steel shoe)		kPa {kg/cm²}	28.8 {0.29}	29.7 {0.30}
	Swing circle	Reduction ratio		$\frac{89}{11}$ = 8.09	
		Grease		G2-LI	
	Swing machinery	Reduction ratio		18.8	
		Swing reduction ratio		152.1	
		Swing speed	rpm	—	
		Lubrication oil		EO10W (oil both type)	
		Lubrication oil amount	ℓ	—	
Dimensions	Overall length (for transport)		mm	3,930	3,930
	Overall width		mm	1,450	1,450
	Overall height (for transport)		mm	2,410 (※2,415)	2,450 (※2,455)
	Ground clearance of conterweight		mm	485	485
	Min. ground clearance		mm	285	285
	Tail swing radius		mm	800	725

※ ( ): Steel shoe specification.

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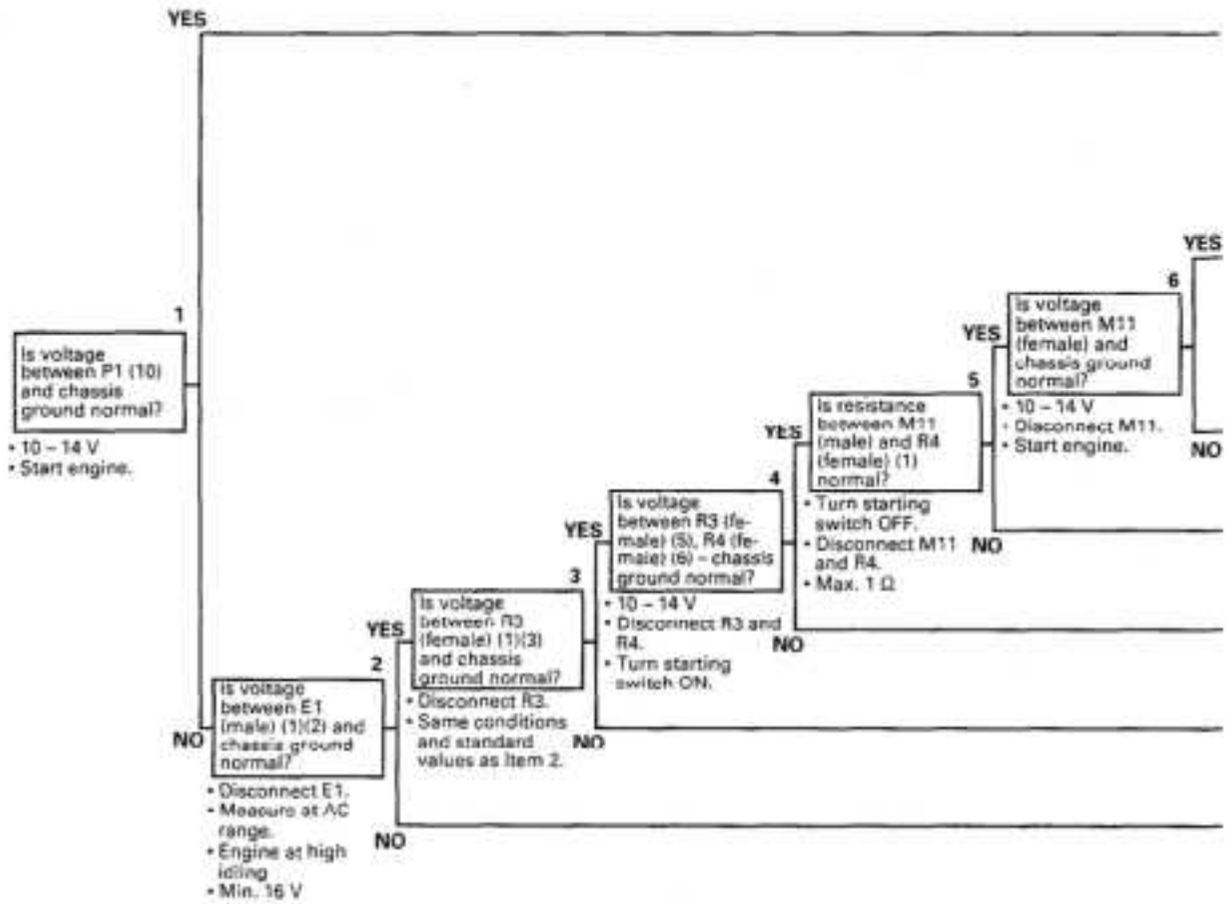


16. Monitor panel
17. Alarm buzzer
18. Timer
19. Lamp switch
20. Starting switch
21. Heater switch
22. Engine stop solenoid relay
23. Current limiter
24. Safety relay
25. Charging relay
26. Fuse box
27. Car radio (Cab specification)
28. Room lamp (Cab specification)
29. Speaker (Cab specification)
30. Wiper motor (Cab specification)

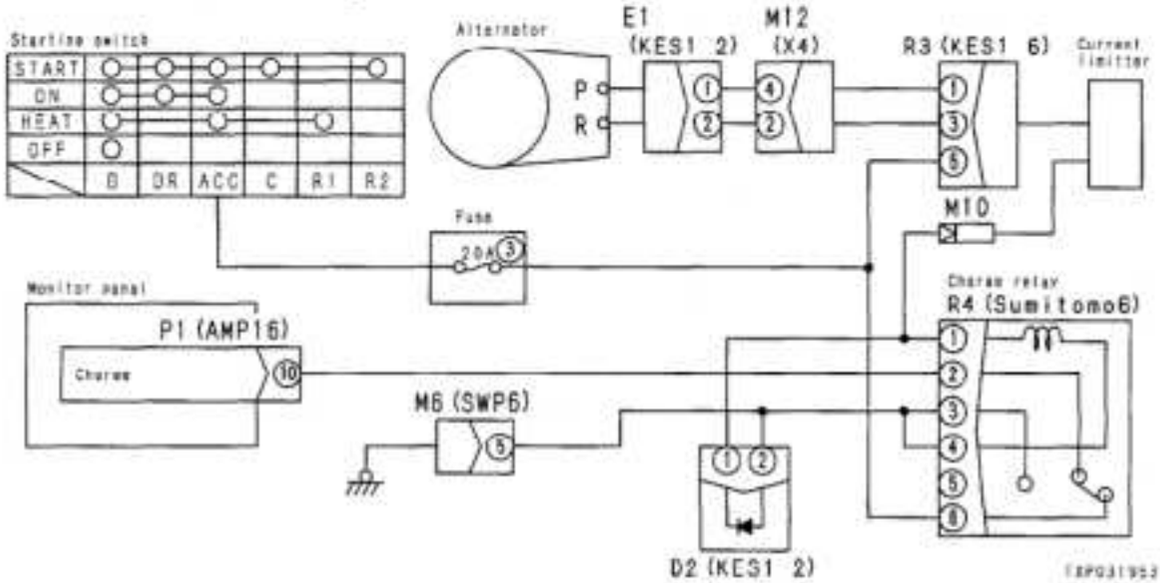
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M-9 When engine is running, charge caution lamp lights up

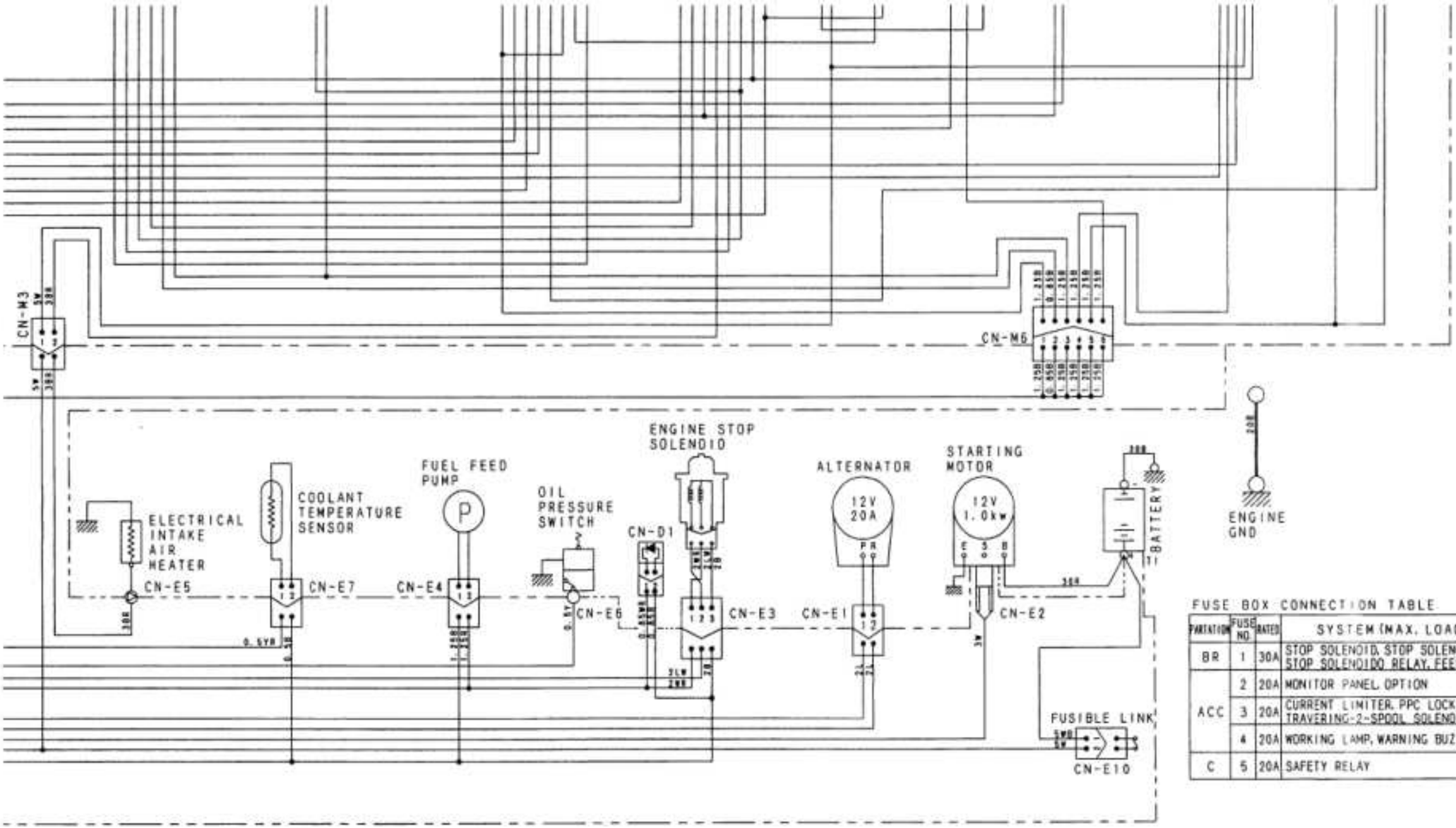
★ When the charging is normal.
★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.



M-9 Related electrical circuit diagram



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FUSE BOX CONNECTION TABLE

PARTATION	FUSE NO.	RATED	SYSTEM (MAX. LOAD A)
BR	1	30A	STOP SOLENOID, STOP SOLENOID TIMER STOP SOLENOIDO RELAY, FEED PUMP
ACC	2	20A	MONITOR PANEL OPTION
	3	20A	CURRENT LIMITER, PPC LOCK SOLENOID TRAVERING-2-SPOOL SOLENOID
	4	20A	WORKING LAMP, WARNING BUZZER, HORN
C	5	20A	SAFETY RELAY

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