SEBM035704

SHOP MANUAL

KOMATSU®

avance LOADER

WA900L-3

MACHINE MODEL **WA900L-3**

SERIAL NUMBER **52001 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.

- WA900L-3 mount the SAA12V140ZE-2 engine.
  For details of the engine, see the Engine Shop Manual.

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Unit: kg

Machine model	WA900L-3
Serial No.	52001 and up
Rear frame	9,398
Bucket link (including bushing)	566
Bellcrank (including bushing)	1,850
Boom (including bushing)	8,750
Bucket (with teeth)	12,330
Counterweight + Weight	2,900 + 2,600
Fuel tank	780
Battery (each)	59
Cab	430
Air conditioner unit	55
Operator's seat	50
Floor plate	348
ROPS support assembly	1,420

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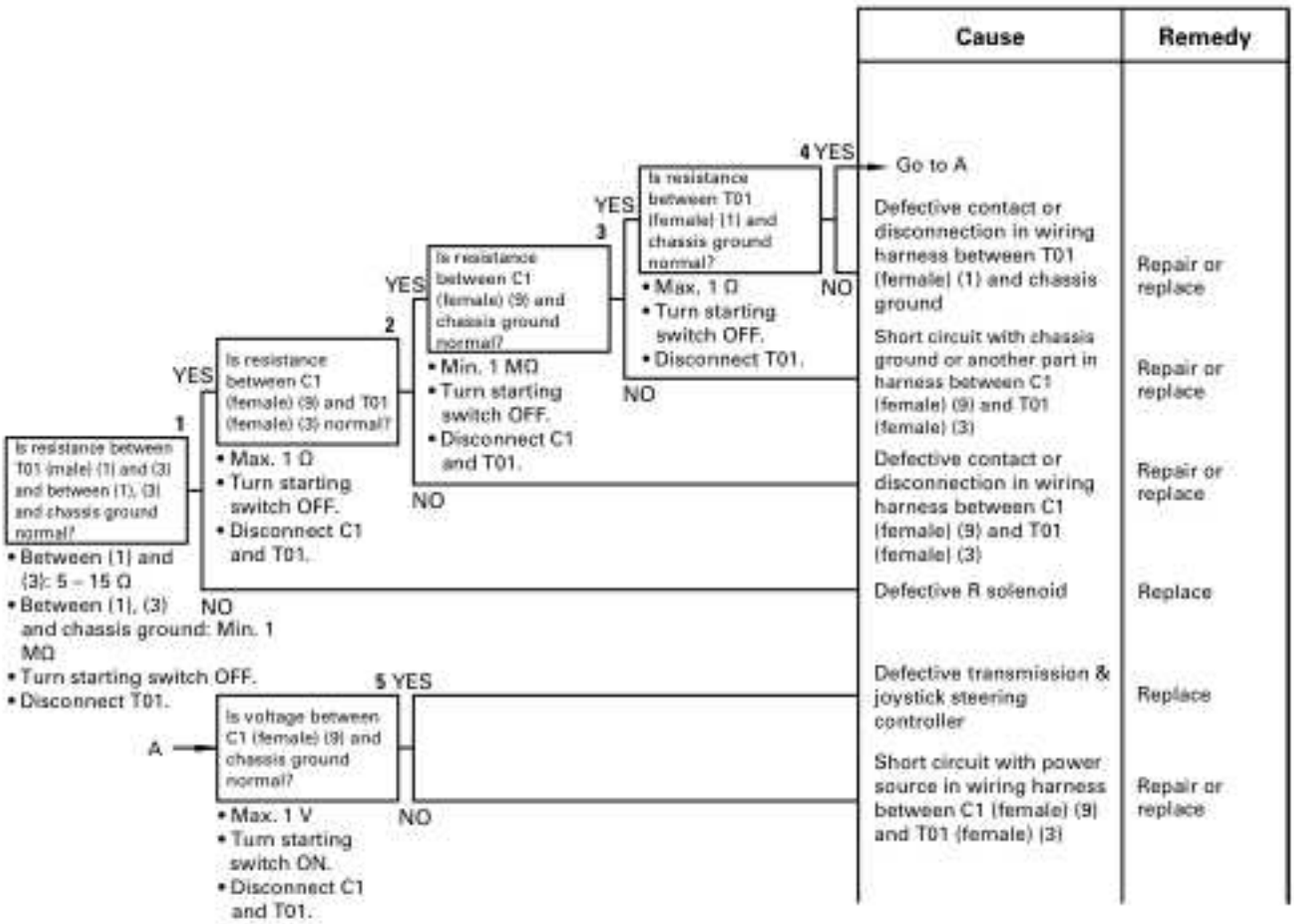
CHECKS BEFORE TROUBLESHOOTING

	Item	Judgement standard	Remedy
Lubricating oil, cooling water	1. Check fuel level, type of fuel	—	Add fuel
	2. Check for impurities in fuel	—	Clean, drain
	3. Check hydraulic oil level	—	Add oil
	4. Check hydraulic filter (Torque converte, Transmission hydraulic oil)	—	Clean, drain
	5. Check brake oil level	—	Add oil
	6. Check engine oil level (oil pan oil level)	—	Add oil
	7. Check coolant level	—	Add water
	8. Check dust indicator for clogging	—	Clean or replace
Electrical equipment	9. Check for looseness, corrosion of battery terminal, wiring	—	Tighten or replace
	10. Check for looseness, corrosion of alternator terminal, wiring	—	Tighten or replace
	11. Check for looseness, corrosion of starting motor terminal, wiring	—	Tighten or replace
	12. Check operation of instruments	—	Repair or replace
Hydraulic, mechanical equipment	13. Check for abnormal noise, smell	—	Repair
	14. Check for oil leakage	—	Repair
	15. Carry out air bleeding	—	Bleed air
	16. Check effect of parking brake, wheel brake	—	Repair or replace
Electrics, electrical equipment	17. Check battery voltage (engine stopped)	24 – 26 V	Replace
	18. Check battery electrolyte level	—	Add or replace
	19. Check for discolored, burnt, exposed wiring	—	Replace
	20. Check for missing wiring clamps, hanging wiring	—	Repair
	21. Check for water leaking on wiring (be particularly careful attention to water leaking on connectors or terminals)	—	Disconnect connector and dry
	22. Check for blown, corroded fuses	—	Replace
	23. Check alternator voltage (engine running at 1/2 throttle or above)	—	
	(If the battery charge is low, the voltage may be approx. 25 V immediately after starting.)	28.5– 29.5 V	Replace
	24. Sound of actuation of battery relay (when starting switch is turned ON, OFF)	—	—

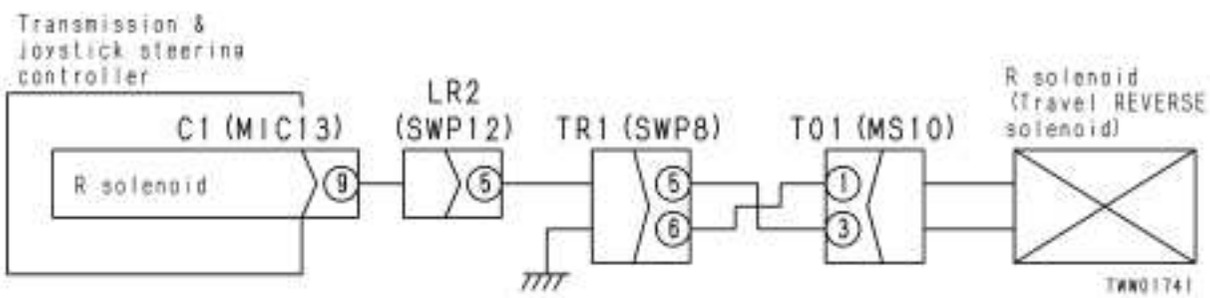
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T-3 Failure code [13] (Short circuit, disconnection, short circuit with power source in R solenoid) is displayed

★ **This troubleshooting is carried out when there is still an abnormality, so when disconnecting the connector and inserting the T-adapter, or when removing the T-adapter and returning the connector to its original position, if the error code is no longer displayed on the monitor display, the problem has been removed.**
★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on to the next step.

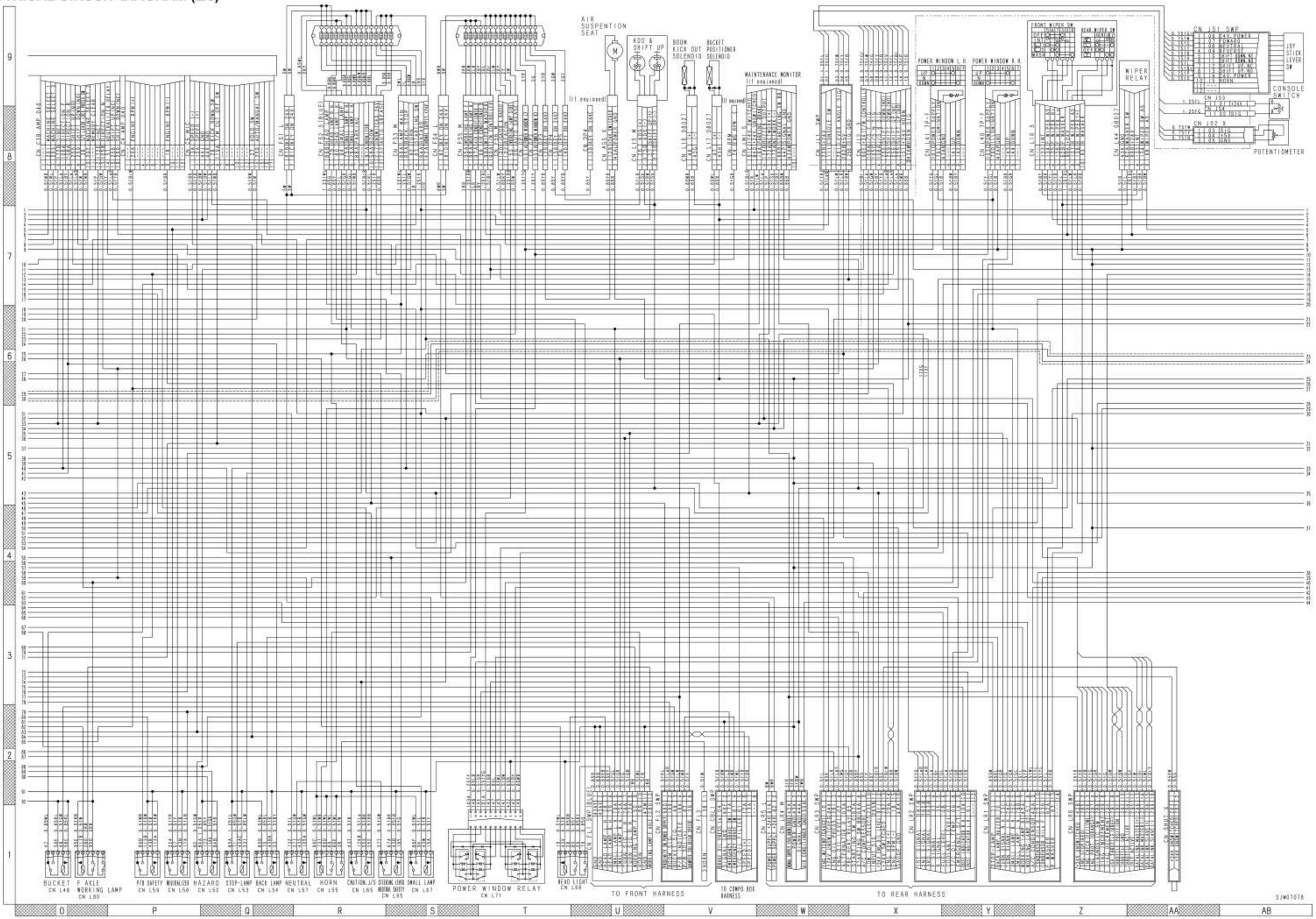


T-3 Related electrical circuit diagram



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ELECTRICAL CIRCUIT DIAGRAM (2/5)



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