SEBM021800

SHOP MANUAL

KOMATSU®

WA120L-3MC

MACHINE MODEL	SERIAL NUMBER
WA120L-3MC	**54104 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.

- WA120-3 mounts the S4D102E engine.
  For details of the engine, see the 102 Series Engine Shop Manual.

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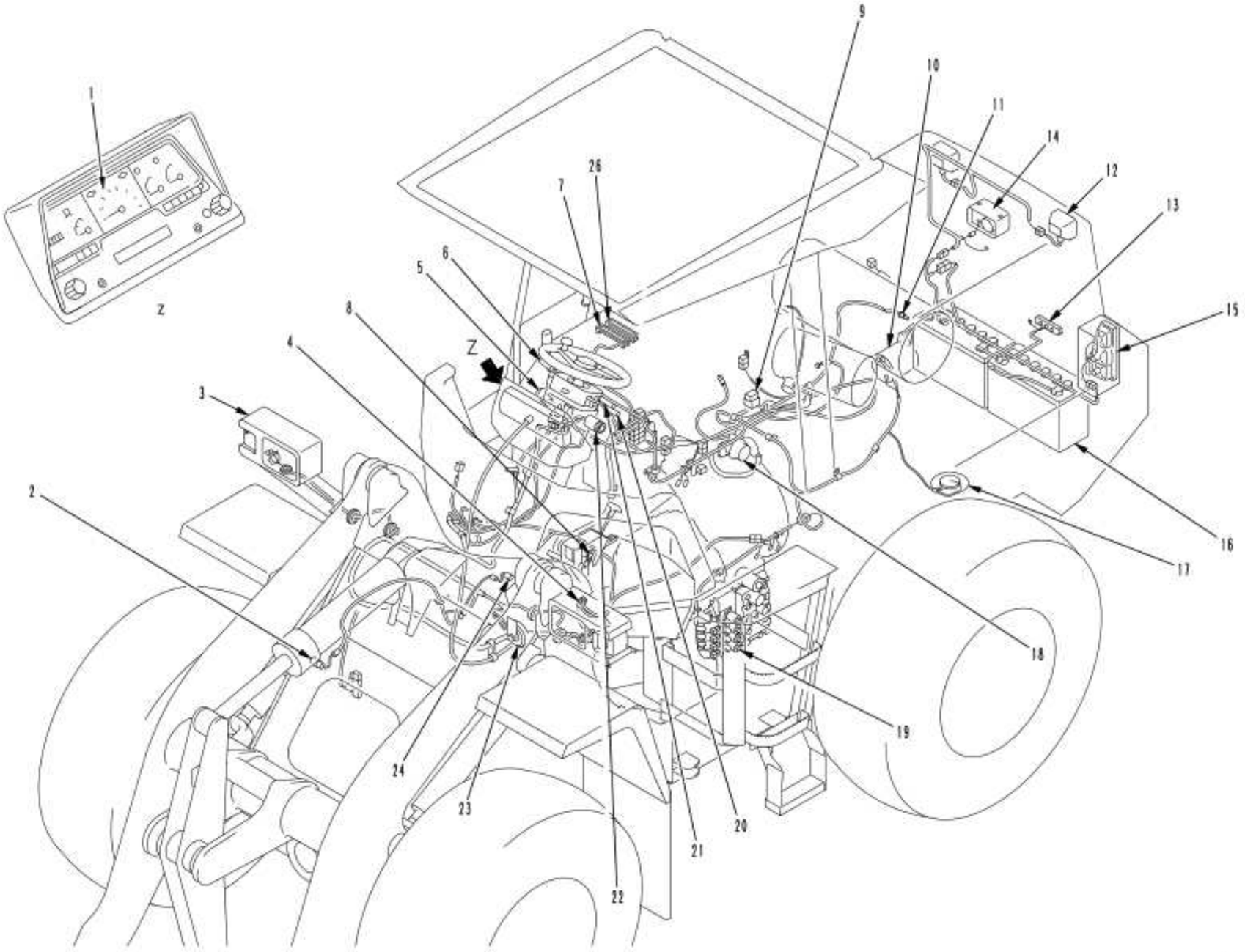
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ELECTRICAL WIRING DIAGRAM



1. Central panel
2. Bucket positioner proximity switch
3. Head lamp
4. Transmission cut-off switch
5. Starting switch
6. Combination switch
7. Fuse box
8. Parking brake switch
9. Slow blow fuse
10. Alternator
11. Water temperature sensor
12. Working lamp
13. License lamp
14. Back-up buzzer
15. Rear combination lamp
16. Battery
17. Fuel level sensor
18. Battery relay
19. Transmission solenoid valve
20. Gear shift lever
21. Directional lever
22. Wiper switch
23. Horn
24. Boom kickout proximity switch
26. Fuse box (with cab)

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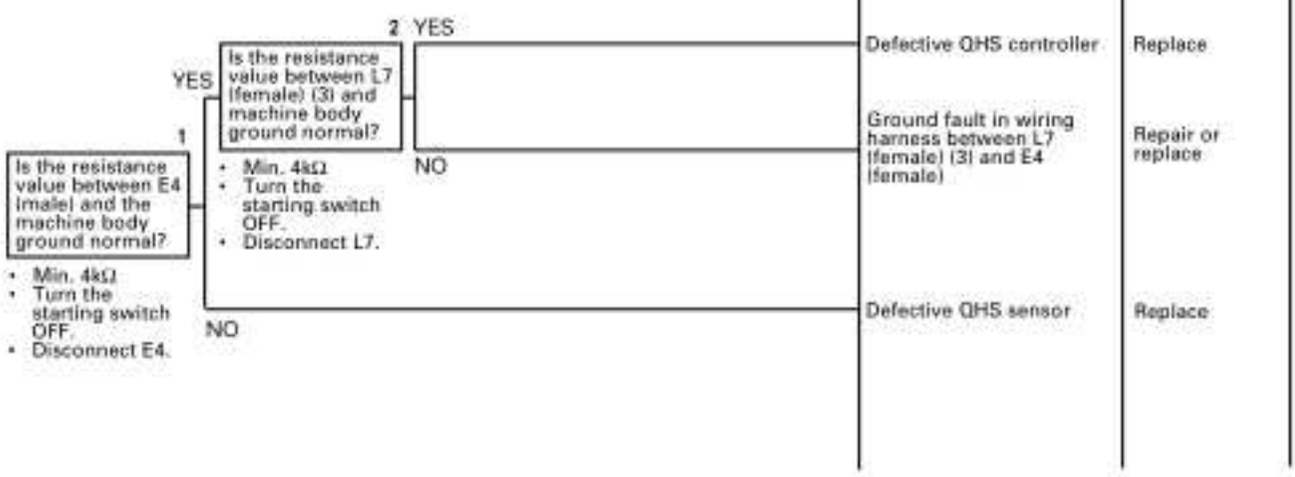
E-2. Abnormality in Preheating System (QHS)

★ Before connecting or disconnecting connectors, be sure to turn off the power.
★ Before starting the troubleshooting, check if the related connectors are connected correctly.
★ Before proceeding to the next step, be sure to connect disconnected connectors to where they were.

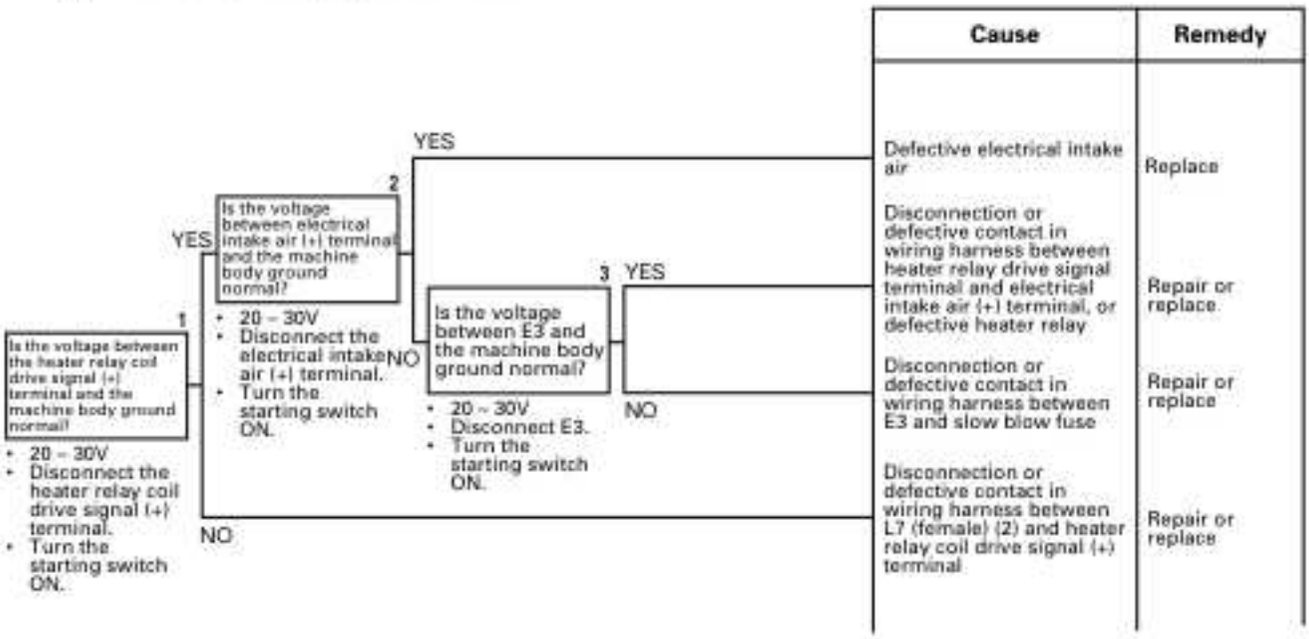
(a) Preheating is not carried out

★ Make sure that the water temperature is below 5°C.

(1) The monitor display is not turned on.

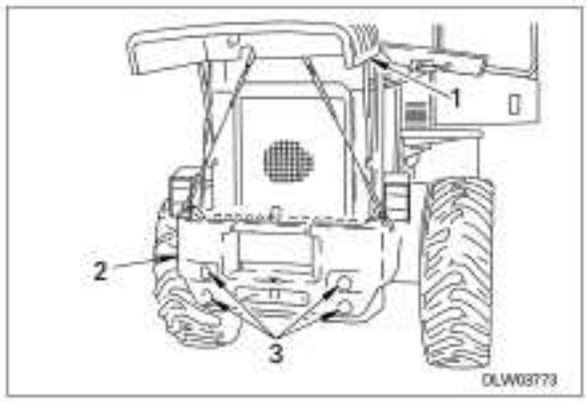


(2) The monitor display is turned on.



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REMOVAL OF COUNTERWEIGHT



⚠ Stop the machine on level ground and install the safety bar on the frame. Lower the bucket to the ground and stop the engine. Then apply the parking brake and put blocks under the wheels to prevent the machine from moving.

★ Set a pallet under the counterweight.

1. **Counterweight**
   1) Put blocks on radiator guard (1), and sling counterweight (2).
   2) Remove mounting bolts (3) of counterweight (2), then lift off. ※ 1
      - Width across flats of mounting bolt: 30 mm

kg Counterweight: **430 kg**

INSTALLATION OF COUNTERWEIGHT

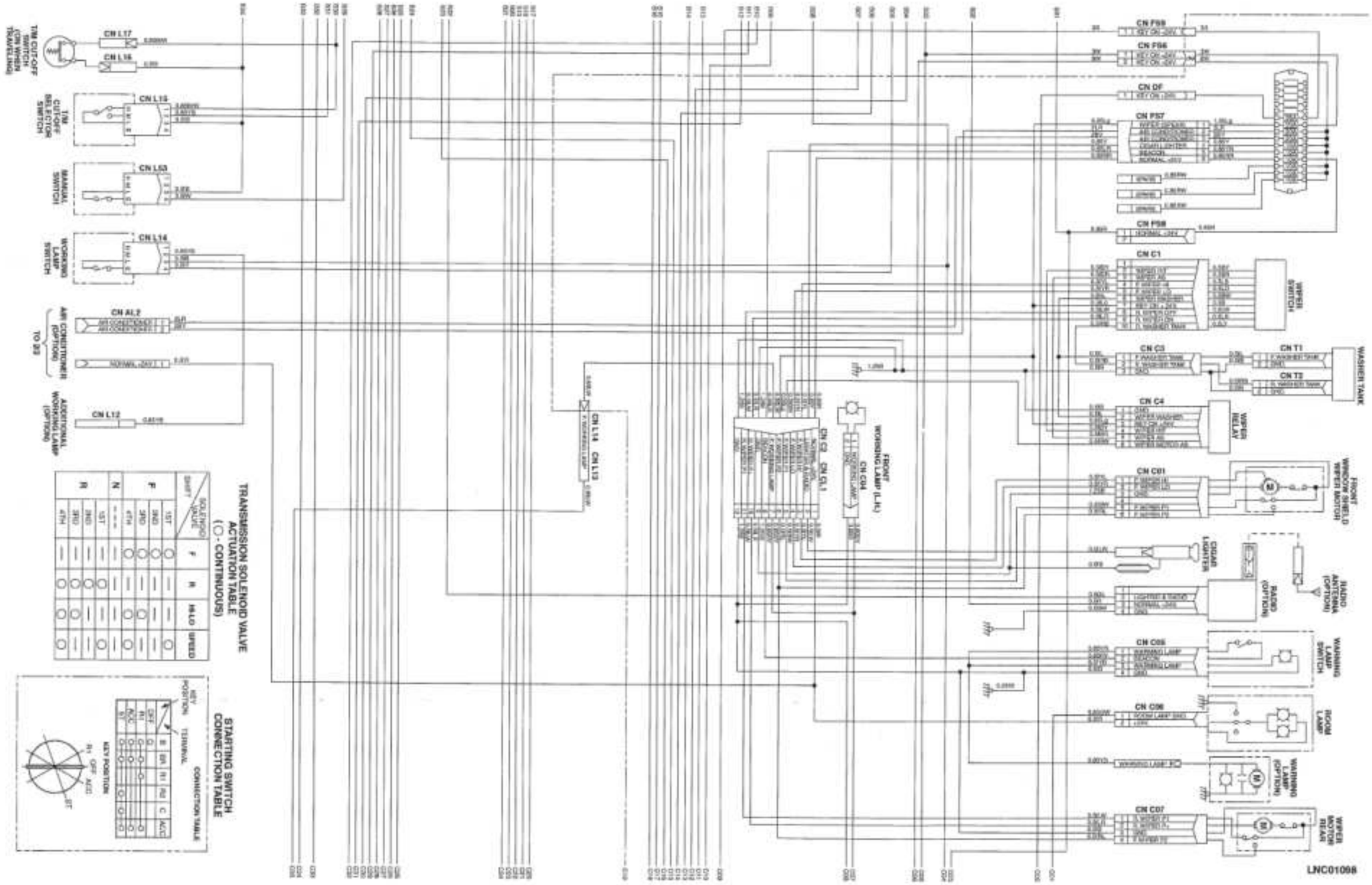
- Carry out installation in the reverse order to removal.

※ 1

kgm Mounting bolt: **549 ± 59 Nm {56 ± 6 kgm}**

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DIAGRAM (3/4)



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