SEN03862-05

Shop Manual

WHEEL LOADER

WA200 -6
WA200PZ-6

SERIAL NUMBERS WA200- 70001 and up
WA200PZ- 70001

ecot3

KOMATSU®

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Related circuit diagram

This is the excerpted circuit diagram related to trouble

- Connector No.: Indicates (Model – No. of pins) (Color)
- "Connector No. and pin No." from each branching/ merging point: Shows the ends of branch or source of merging within the parts of the same wiring harness.
- Arrow (⟷): Roughly shows the location on the machine.

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Failure code [CA111] Abnormality in engine controller

Action code	Failure code	Trouble	Abnormality in engine controller (Engine controller system)
E03	**CA111**		
Contents of trouble	• Abnormality occurred in memory of engine controller or power supply circuit.		
Action of controller	• Turns the centralized warning lamp and alarm buzzer ON.		
Problem that appears on machine	• The engine does not start.		
Related information	• Method of reproducing failure code: Start engine		

Possible causes and standard value in normal state	Causes		Standard value in normal state/Remarks on troubleshooting
	1	Defective engine controller	Possible defect in engine controller (Troubleshooting cannot be carried out.)

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Installation

- Carry out installation in the reverse order to removal.

[*1]
Adjust the air conditioner compressor belt tension. For details, see "Adjusting air conditioner compressor belt tension" in Testing and adjusting.

[*2]
- Tube clamp (13): **10 ± 2 Nm {1.0 ± 0.2 kgm}**
- Hose clamp (14): **8.8 ± 0.5 Nm {0.9 ± 0.05 kgm}**

[*3]
- Engine ground cable mounting bolt: **98 – 123 Nm {10.0 – 12.5 kgm}**

[*4]
- Radiator upper hose: **Gasket sealant (THREEBOND 1206E or equivalent)**
- Radiator upper hose clamp: **8.8 ± 0.5 Nm {0.9 ± 0.05 kgm}**

[*5]
- Hose clamp (21): **10.5 ± 0.5 Nm {1.07 ± 0.05kgm}**
- Hose clamp (22): **10.5 ± 0.5 Nm {1.07 ± 0.05kgm}**

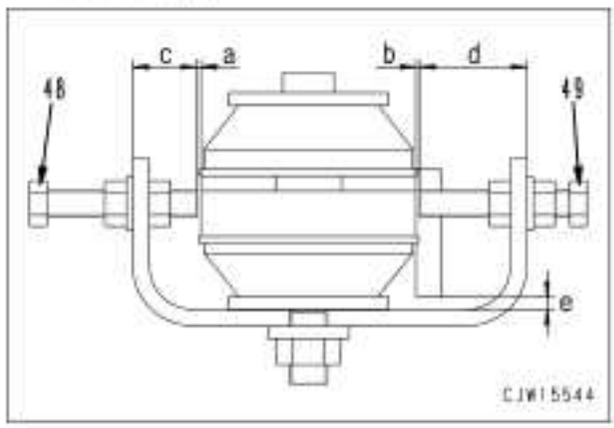
[*6]
- Radiator lower hose: **Gasket sealant (THREEBOND 1206E or equivalent)**
- Radiator lower hose clamp: **8.8 ± 0.5 Nm {0.9 ± 0.05 kgm}**

[*7]
- Damper cover mating face: **Gasket sealant (LG-6)**
- Damper cover mounting bolt: **58.8 – 73.5 Nm {6.0 – 7.5 kgm}**

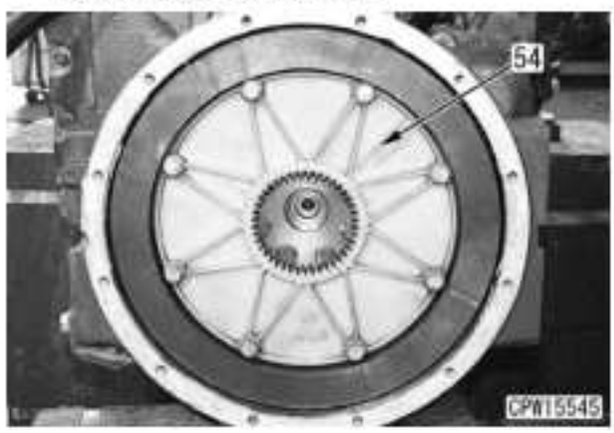
[*8]
- Right and left engine mounting bolts (47) at rear of machine: **235 – 285 Nm {23.5 – 29.5 kgm}**

[*9] [*10]
- Right and left engine mounting bolts (50) at front of machine: **235 – 285 Nm {23.5 – 29.5 kgm}**
- Right and left engine mount bracket mounting bolts (51) at front of machine: **98 – 123 Nm {10.0 – 12.5 kgm}**

★ Adjust right and left engine mount adjustment bolts (48) and (49) at front of the machine to the following dimensions and lock them.
Clearance (a): **2 mm**
Clearance (b): **2 mm**
Clearance (c): **30 mm**
Clearance (d): **50 mm**
Clearance (e): **7 mm**



[*11]
★ When installing the engine assembly, carefully set damper flange (54) to the gear of HST pump boss (55).
★ When installing the engine assembly, take care not to damage flange (54).



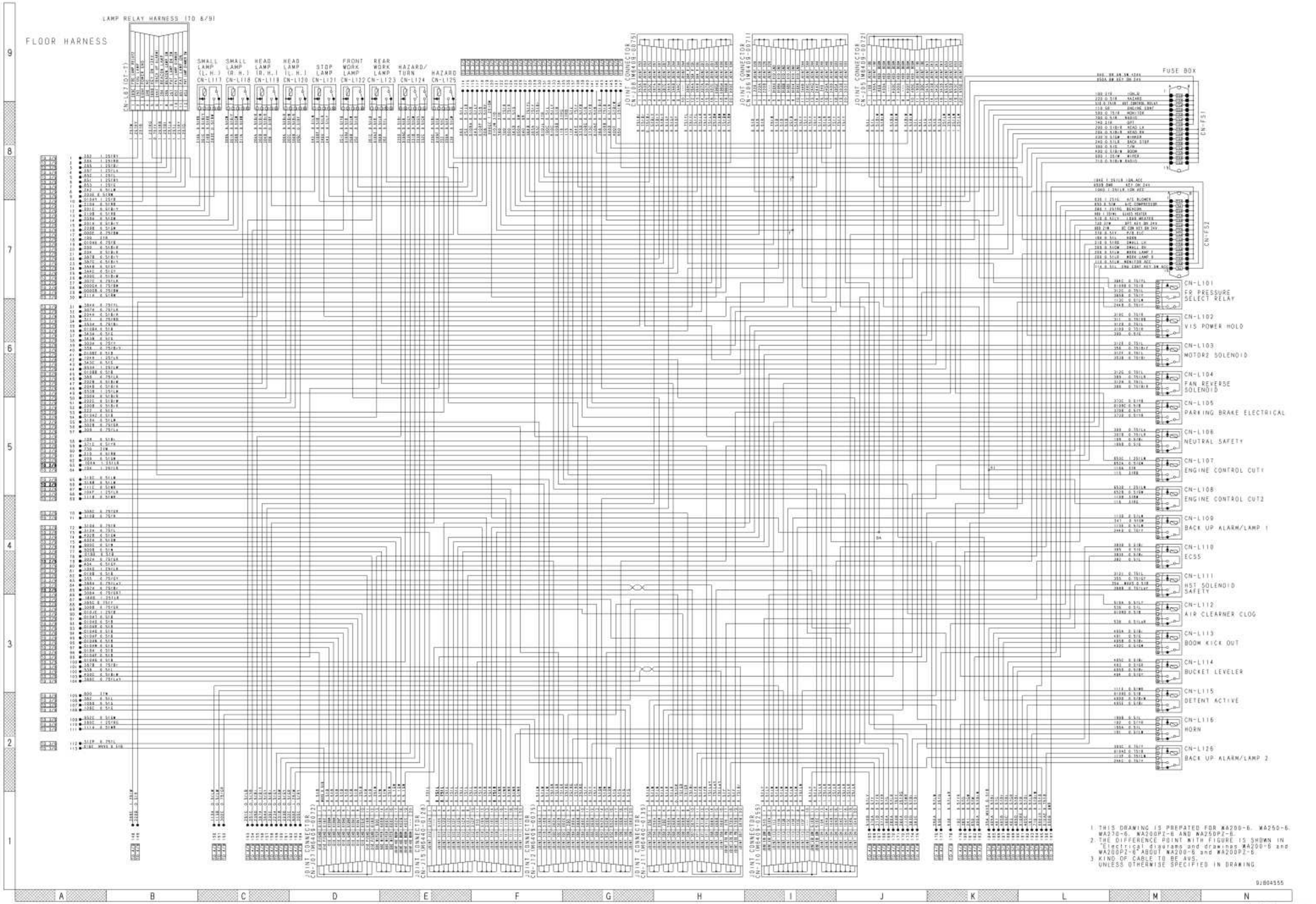


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Electrical circuit diagram (1/9)

Common to WA200-6, WA250-6, WA270-6, WA200PZ-6 and WA250PZ-6

★ This figure covers the equipment and devices that are unavailable as optional items in some areas.



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