SHOP MANUAL

KOMATSU®

WA200-5H
WA200PT-5H

MACHINE MODEL	SERIAL NUMBER
WA200-5H	**H50051 and up**
WA200PT-5H	**H60051 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.

- WA200, 200PT-5 mounts the SAA6D102E-2-A engine.
  For details of the engine, see the 102 Series Engine Shop Manual.

Order the manual at mid-west-tech.com >

CONTENTS

No. of page

01 GENERAL 01-1

10 STRUCTURE, FUNCTION AND MAINTENANCE STANDARD 10-1

20 TESTING AND ADJUSTING 20-1

30 DISASSEMBLY AND ASSEMBLY 30-1

90 OTHERS 90-1

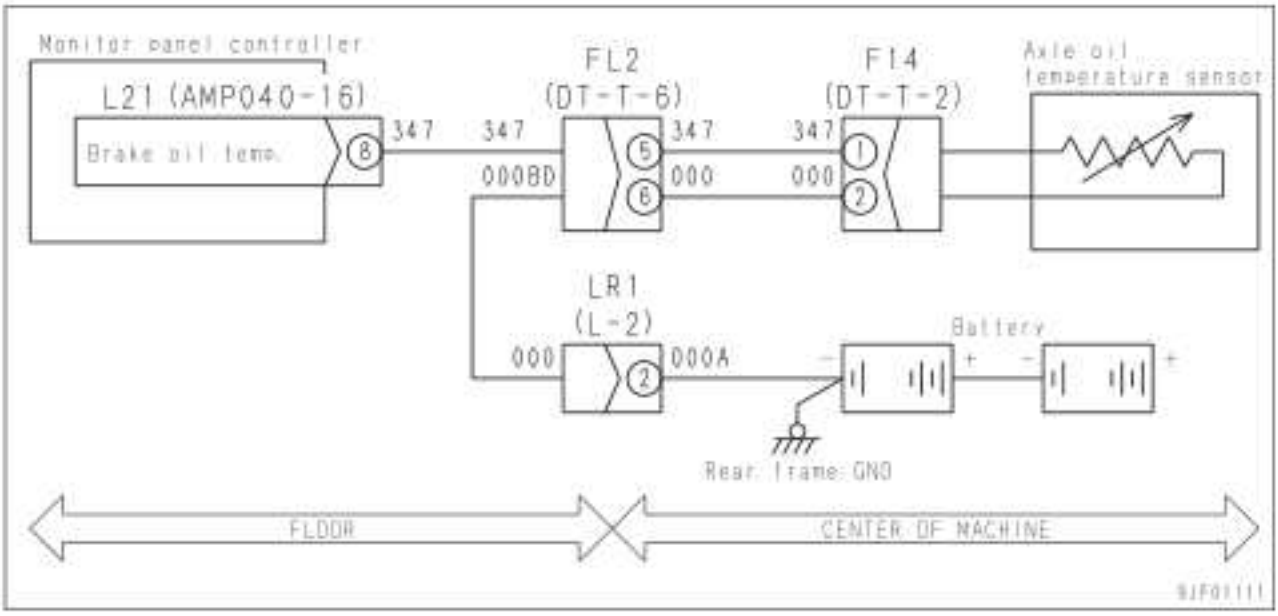
MidWestTech | Komatsu WA200-5H, WA200PT-5H Wheel Loader Service Manual | P... Order the manual at mid-west-tech.com >

Error Code [B@C7NS] (Axle oil temperature overheating (NS))

Action Code	Error Code	Controller Code	Trouble	Axle oil temperature overheating (NS)
E02	B@C7NS	MON		
Description of Trouble	• The axle oil temperature is overheating.			
Machine monitor or controller Reaction	• Activates an alarm.			
Effect on Machine	• The brake may be damaged if operation continues.			
Related Information	• This failure code is displayed if the probability of a failure in the electrical system is low. • The axle oil temperature is displayed by monitoring code 30202.			

	Causes		Standard Value in Normal State and Remarks on Troubleshooting			
Possible Causes and Standard Values	1	Overheating axle oil temperature.	- - -			
	2	Defective axle oil temperature sensor	1) Turn starting switch OFF. 2) Disconnect connector F14. 3) Connect T-adapter.			
			Between F14 (Male) (1) and (2)	Normal temperature (25°C).	Resistance	35 - 50kΩ
				When 100°C	Resistance	3.1 - 4.5kΩ
	3	Defective machine monitor	1) Turn starting switch OFF. 2) Disconnect connector L21. 3) Insert T-adapter. 4) Connect connector. 5) Turn starting switch ON.			
			Between L21 (Female) (8) and chassis ground	Normal temperature (25°C).	Resistance	35 - 50kΩ
				When 100°C	Resistance	3.1 - 4.5kΩ

Related circuit diagram



MidWestTech | Komatsu WA200-5H, WA200PT-5H Wheel Loader Service Manual | P... Order the manual at mid-west-tech.com >

	Causes		Standard Value in Normal State and Remarks on Troubleshooting		
Possible Causes and Standard Values	4	Wiring harness discontinuity (Disconnection or defective contact)	1) Turn starting switch OFF. 2) Disconnect connector L04, L119, L120, HEAD L, HEAD R and fuse FS1 terminal (8), (9). 3) Connect T-adapter.		
			★ When all lamps are defective		
			Wiring harness between L117 (Female) (5) and L122 (Female) (1)	Resistance	1 Ω and below
			Wiring harness between L122 (Female) (2) and chassis ground	Resistance	1 Ω and below
			★ When front lamps are defective		
			Wiring harness between L122 (Female) (2) and L07 (Female) (2)	Resistance	1 Ω and below
			Wiring harness between fuse FS2 (12) and L122 (Female) (1)	Resistance	1 Ω and below
			Wiring harness between L07 (Female) (3) and C05 (Female) (1), C06 (Female) (1)	Resistance	1 Ω and below
			Wiring harness between C05 (Female) (2), C06 (Female) (2) and chassis ground	Resistance	1 Ω and below
			★ When rear lamps are defective		
			Wiring harness between L122 (Female) (4) and L08 (Female) (2)	Resistance	1 Ω and below
			Wiring harness between fuse FS2 (13) and L122 (Female) (3)	Resistance	1 Ω and below
			Wiring harness between L08 (Female) (3) and B01 (Female) (1), B02 (Female) (1)	Resistance	1 Ω and below
			Wiring harness between B01 (Female) (2), B02 (Female) (2) and chassis ground	Resistance	1 Ω and below

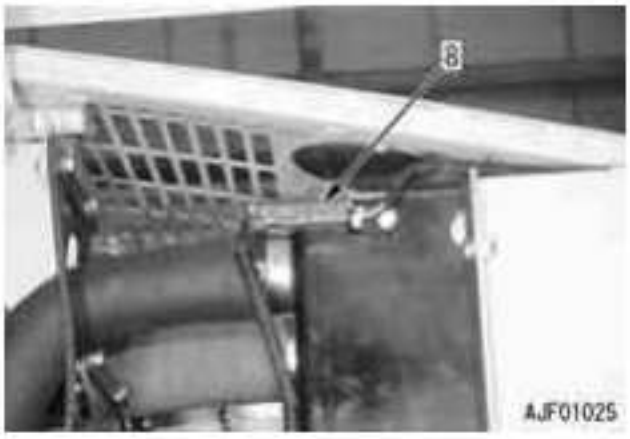
Related circuit diagram

★ See "TROUBLESHOOTING CODE [E-10.(a)]".

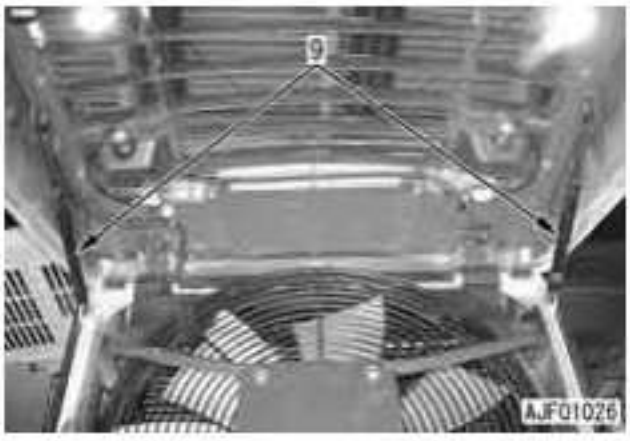
MidWestTech | Komatsu WA200-5H, WA200PT-5H Wheel Loader Service Manual | P... Order the manual at mid-west-tech.com >

5. Open the grille and sling it temporarily.

6. Open the engine left side cover and disconnect wiring connector BR1 (8).



7. Disconnect both damper gas cylinders (9).

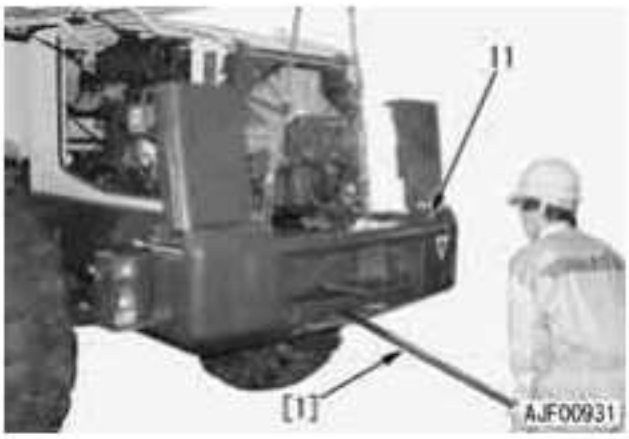


8. Remove the 4 mounting bolts and lift off grille (10).



9. Sling counterweight (11) temporarily and remove the mounting bolt, and then remove the counterweight.
[*1]
★ When removing the counterweight, insert bar [1] in its rear part to balance it.

Counterweight and batteries (left/right) assembly: **1,250 kg**



INSTALLATION

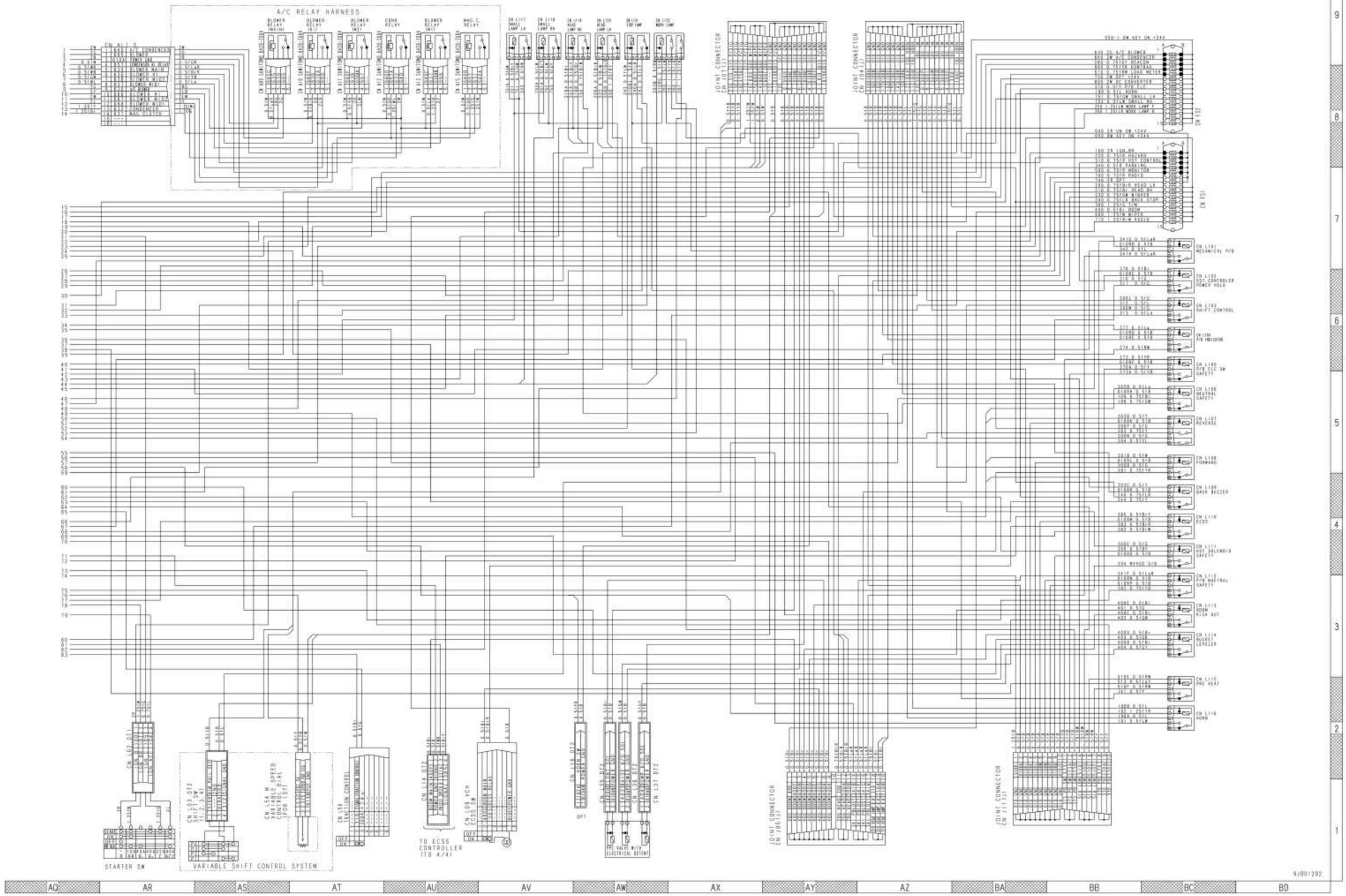
- Carry out installation in the reverse order to removal.

[*1]

Mounting bolt: **785 – 980 Nm {80 – 100 kgm}**

MidWestTech | Komatsu WA200-5H, WA200PT-5H Wheel Loader Service Manual | P... Order the manual at mid-west-tech.com >

ELECTRICAL CIRCUIT DIAGRAM 1/4 (4/4)
(Machines equipped with ROPS cab)



MidWestTech | Komatsu WA200-5H, WA200PT-5H Wheel Loader Service Manual | Publication VEBM220100

Order the manual at mid-west-tech.com >