CEBM007301

Shop Manual

KOMATSU®

PC88MR-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC88MR-8 A90001 and up

ENGINE SAA4D95LE-5

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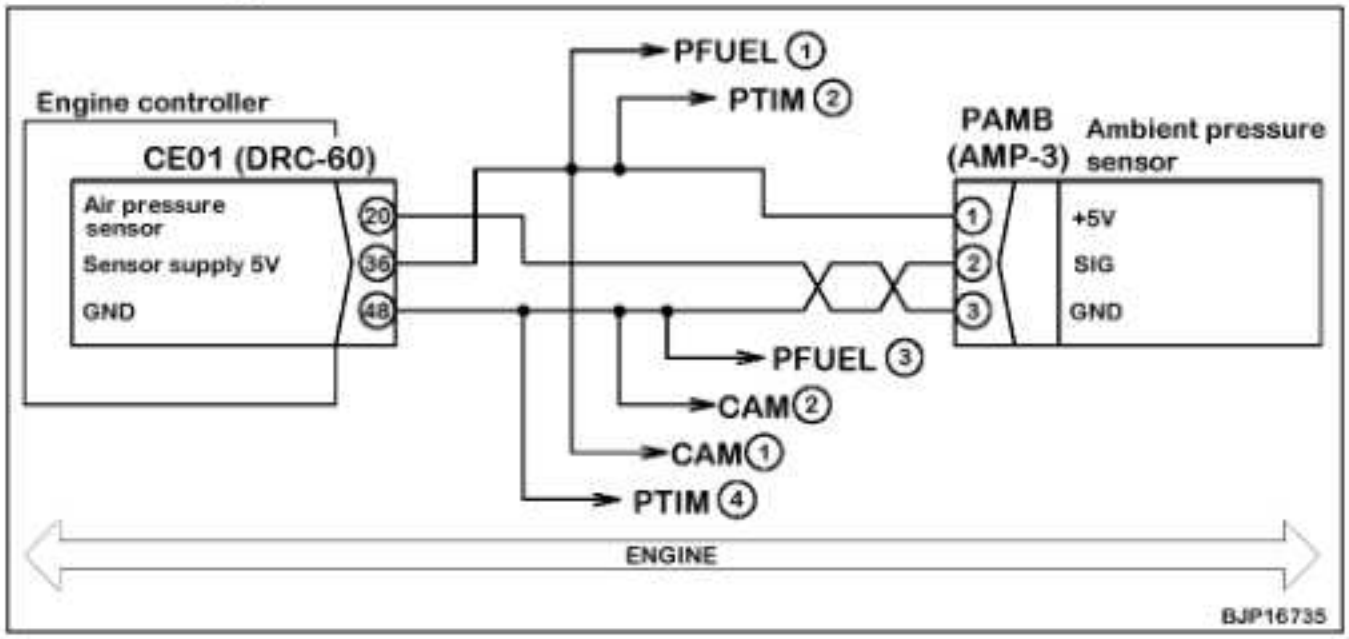
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<table>
<tr><td rowspan="6">Possible causes and standard value in normal state</td><td colspan="2">Causes</td><td colspan="3">Standard value in normal state/Remarks on troubleshooting</td></tr>
<tr><td rowspan="4">5</td><td rowspan="4">Short circuit in wiring harness (With another wiring harness)</td><td colspan="3">★ Prepare with ignition switch OFF, then carry out troubleshooting without turning ignition switch ON.</td></tr>
<tr><td>Wiring harness between CE01 (female) (36) – PAMB (female) (1) and wiring harness between CE01 (female) (20) – PAMB (female) (2)</td><td>Resistance</td><td>Min. 1 MΩ</td></tr>
<tr><td>Wiring harness between CE01 (female) (36) – PAMB (female) (1) and wiring harness between CE01 (female) (48) – PAMB (female) (3)</td><td>Resistance</td><td>Min. 1 MΩ</td></tr>
<tr><td>Wiring harness between CE01 (female) (20) – PAMB (female) (2) and wiring harness between CE01 (female) (48) – PAMB (female) (3)</td><td>Resistance</td><td>Min. 1 MΩ</td></tr>
<tr><td>6</td><td>Defective engine controller</td><td colspan="3">★ Prepare with ignition switch OFF, then turn ignition switch ON or start engine and carry out troubleshooting.
CE01 | Voltage
Between (36) – (48) | 4.75 – 5.25 V
Between (20) – (48) | 0.3 – 4.7 V</td></tr>
</table>

Related circuit diagram



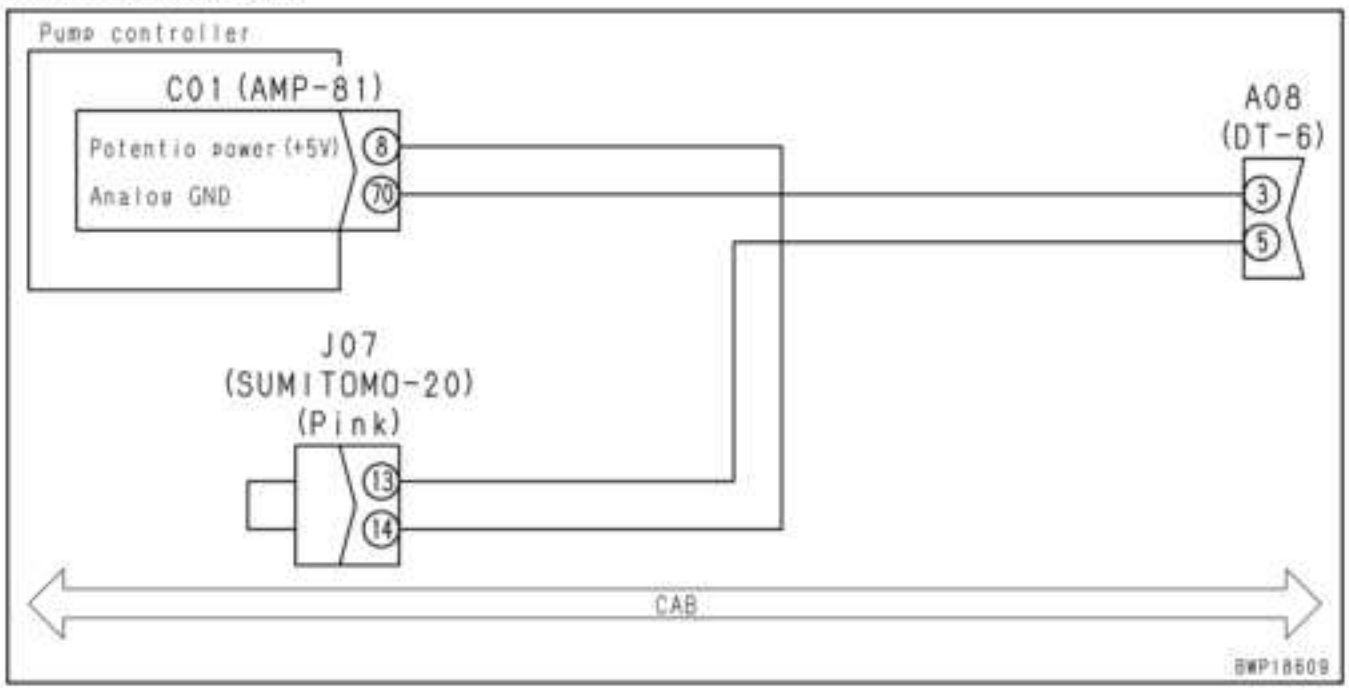
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Failure Code [DA26KP] 5 V Sensor 2 Power Abnormality

User code	Failure code	Trouble	5 V sensor power supply output 2 abnormality (Pump controller system)
—	DA26KP		
Contents of trouble	• Voltage of 5 V sensor power supply output 2 circuit is below 2.5 V or above 6.0 V.		
Action of controller	• Turns output of 5 V sensor power supply output 2 OFF. • Even if cause of failure disappears, system does not reset itself until ignition switch is turned OFF.		
Problem that appears on machine			
Related information	• Method of reproducing failure code: Turn ignition switch ON.		

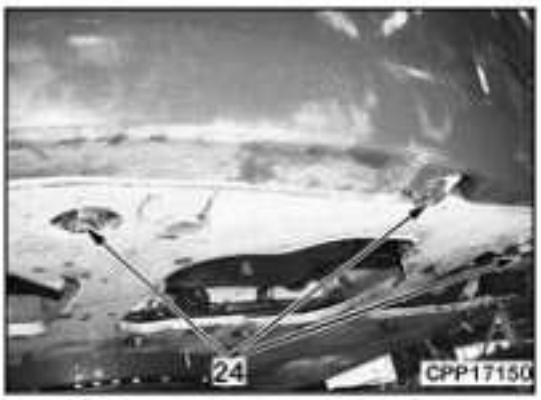
		Cause	Standard value in normal state/Remarks on troubleshooting		
Possible causes and standard value in normal state	1	Ground fault in wiring harness (Short circuit with GND circuit)	★ Prepare with ignition switch OFF, then carry out troubleshooting without turning ignition switch ON.		
			Wiring harness between C01 (female) (8) – A08 (female) (5)	Resistance	Min. 1 MΩ
	2	Hot short (Short circuit with 24 V circuit) in wiring harness	★ Prepare with ignition switch OFF, then turn ignition switch ON and carry out troubleshooting.		
			Wiring harness between C01 (female) (8) – A08 (female) (5)	Voltage	Max. 1 V
	3	Defective pump controller	If causes 1 – 2 are not detected, pump controller may be defective. (Since trouble is in system, troubleshooting cannot be carried out.)		

Related circuit diagram



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14. Remove 3 mounting bolts (24) from underside of the counterweight. [*3]



15. Lift off counterweight assembly (23). [*4]
    ★ When slinging the counterweight, move it toward the rear horizontally so that it will not interfere with the machine body.

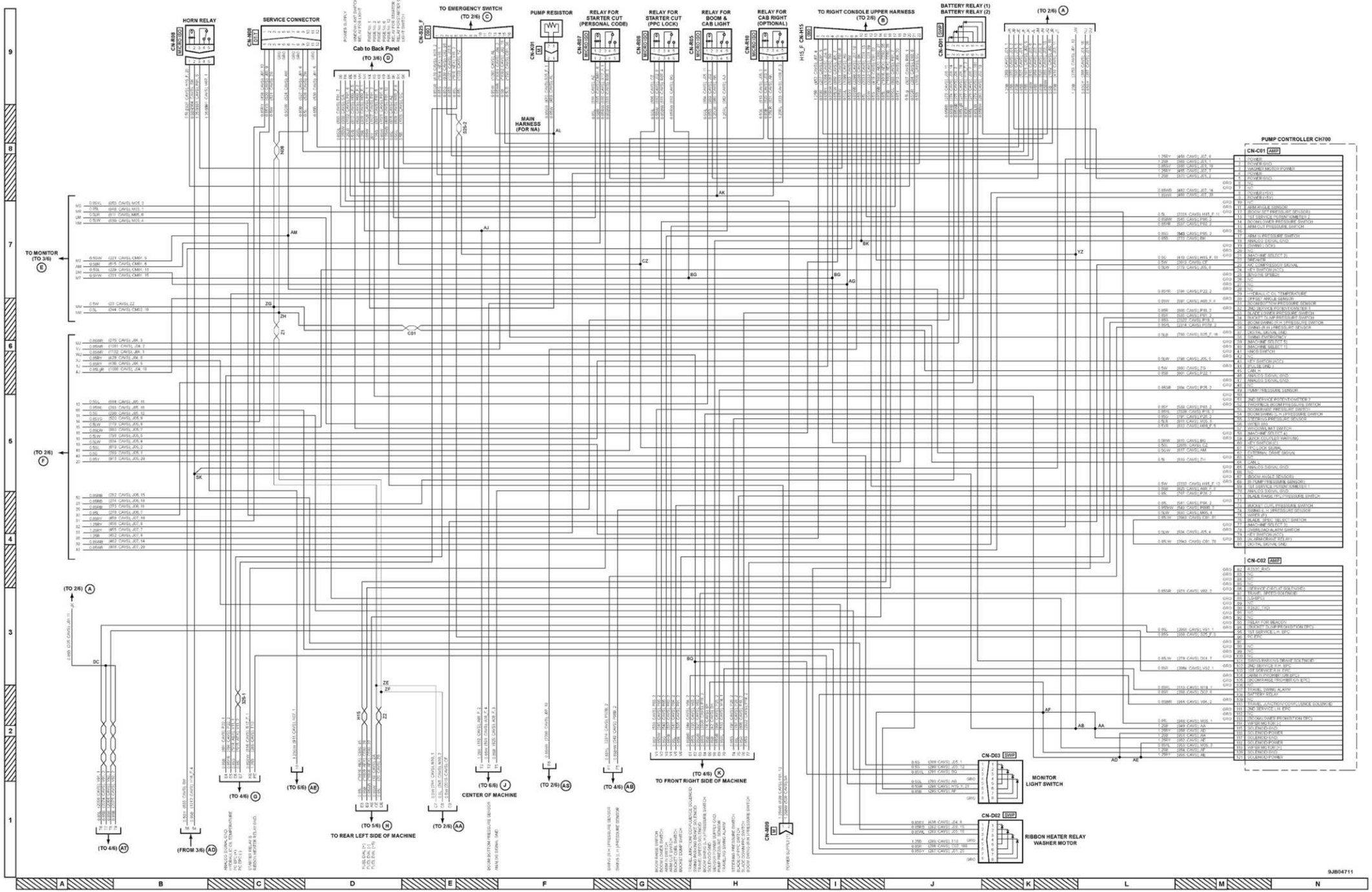


Counterweight assembly:
850 kg {1,874 lbs} (Standard specification)

Counterweight assembly:
1,050 kg {2,315 lbs} (North America specification)

Additional counterweight: 220 kg {485 lbs}

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