SEBM029702

SHOP MANUAL

KOMATSU®

WA250-5
WA250PT-5
(KA SPEC.)

MACHINE MODEL	SERIAL NUMBER
WA250-5	**70001 and up**
WA250PT-5	**70001 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.

- WA250,250PT-5 mounts the SAA6D102E-2-A engine.
  For details of the engine, see the 102 Series Engine Shop Manual.

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Unit: kg

Machine model	WA250-5	WA250PT-5
Serial Numbers	70001 and up	
Lift arm (including bushing)	715	612
Bucket (2.3m^2, including BOC)	967	—
Bucket (2.0m^2, including BOC)	—	975
Bell crank	166	101
Quick coupler	—	261
Coupler plunger Ass'y	—	4
Bucket link	28	68
Counterweight	1,435	1,770
Additional counterweight (1 piece)	153	153
Fuel tank (without fuel)	79	79
Battery (each)	33	33
Operator's Cab (including air conditioner and interior parts)	755	755
Operator's seat	41	41

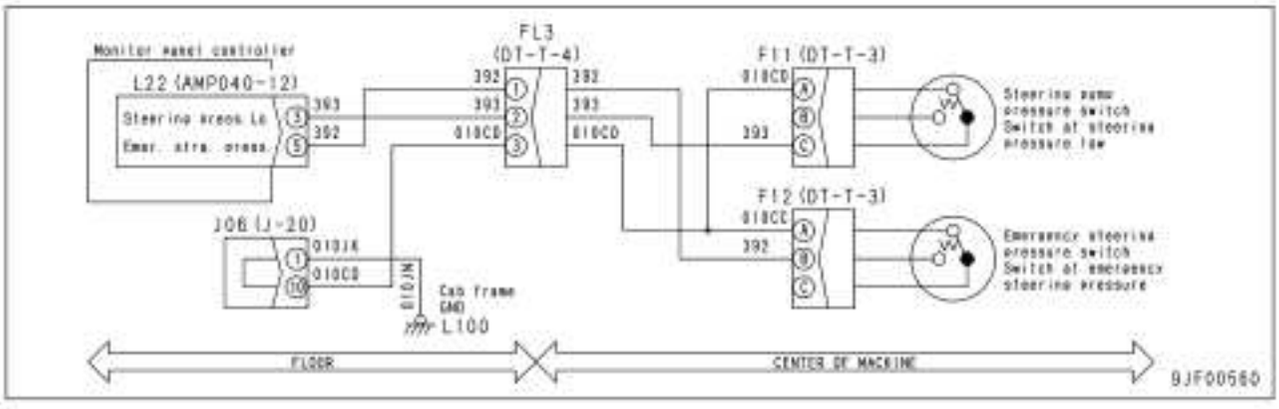
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Error Code [DDS5L6] (Decreased steering oil pressure (L6))

Action Code	Error Code	Controller Code	Trouble	Decreased steering oil pressure (L6)
E03	DDS5L6	MON		
Description of Trouble	• The steering oil pressure sensor signal circuit is always in the CLOSE state during the engine is revolved.			
Machine monitor or controller Reaction	• Activates an alarm.			
Effect on Machine	• The steering may be not worked if operation continues.			
Related Information	• This warning is given when the emergency steering (option) is installed.			

Possible Causes and Standard Values		Causes	Standard Value in Normal State and Remarks on Troubleshooting			
	1	Decrease steering oil pressure	• Steering oil pressure is normal. ★ If the oil pressure is not normal, carry out troubleshooting for the hydraulic, mechanical system.			
	2	Defective steering oil pressure sensor (switch)	1) Turn starting switch OFF. 2) Disconnect connector F11. 3) Connect T-adapter.			
			Between F11 (Male) (A) and (C)	Steering oil pressure is low (Engine stopped).	Resistance	1Ω and below
				Steering oil pressure is normal (Engine started).	Resistance	1MΩ and above
	3	Wiring harness ground fault	1) Turn starting switch OFF. 2) Disconnect Connectors L22, F11. 3) Connect T-adapter.			
			Wiring harness between L22 (Female) (3) and F11 (Female) (C)	Resistance between L22 (Female) (3), F11 (Female) (C) and chassis ground		1MΩ and above
	4	Defective machine monitor	1) Turn starting switch OFF. 2) Disconnect connector L22. 3) Insert T-adapter. 4) Connect connector. 5) Turn starting switch ON.			
			Between L22 (Female) (3) and Chassis ground	Steering oil pressure is normal.	Voltage	20 - 30V
				Steering oil pressure is abnormal (low).	Voltage	1V and below

Related circuit diagram



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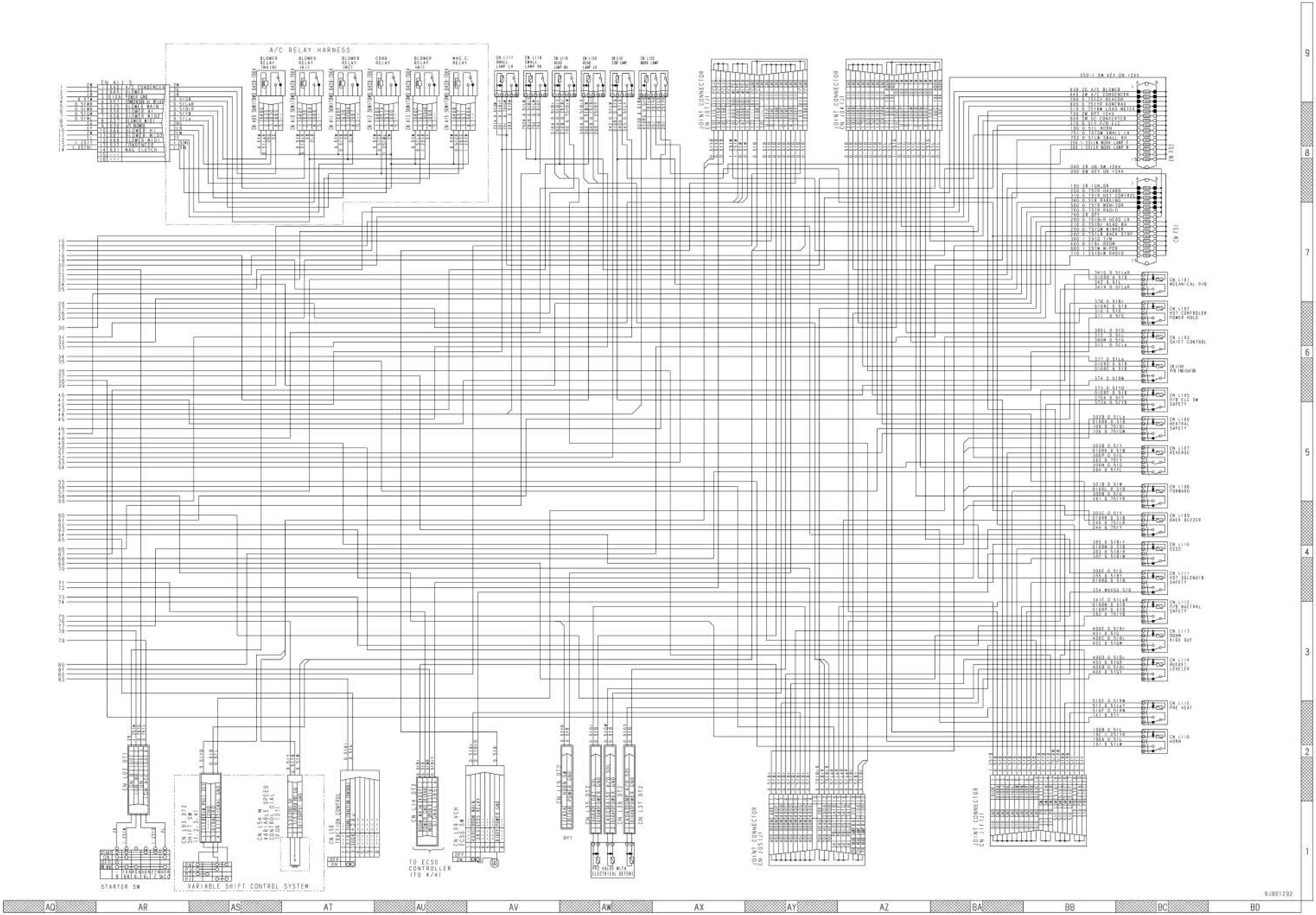
Troubleshooting Code [E-2] (The engine does not stop)

Action Code	Error Code	Controller Code	Trouble	The engine does not stop
-	-	-		
Description of Trouble	• The engine does not stop.			
Machine monitor or controller Reaction	• No reaction.			
Effect on Machine	• The engine does not stop.			
Related Information	• If the failure code D5ZHL6 for abnormality in starting switch C input is given, carry out troubleshooting first for the applicable code.			

	Causes		Standard Value in Normal State and Remarks on Troubleshooting			
Possible Causes and Standard Values	1	Defective fuel cut solenoid	1) Turn starting switch OFF. 2) Disconnect terminal E03, E23, E24. 3) Connect T-adapter. 4) Solid part check.			
			Between E23 and E24		Resistance	37 - 46Ω
			Between E03 and E24		Resistance	0.8 - 1.0Ω
	2	Defective fuel cut solenoid timer	1) Turn starting switch OFF. 2) Disconnect connector R08. 3) Insert T-adapter. 4) Connect connector.			
			Between R08 (1) and (2)	Turn starting switch ON.	Voltage	20 - 30V
				Turn starting switch OFF.	Voltage	1V and below
	3	Hot short-circuiting between harnesses	1) Turn starting switch OFF. 2) Disconnect connector L02, D03, D08, terminal E03, E23 and R09. 3) Connect T-adapter. 4) Turn starting switch OFF.			
			Wiring harness between E03, R09 and D03 (Female) (1)	Voltage between E03 (Harness side) and chassis ground		1V and below
			Wiring harness between E23, L02 (Female) (4) and R08 (Female) (1)	Voltage between E23 (Harness side) and chassis ground		1V and below

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



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