SEBM024712

SHOP MANUAL

KOMATSU®

WA380-5

Machine model	Serial number
WA380-5	**60001 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.

- WA380-5 mounts the SAA6D114E-2 engine.
  For details of the engine, see the 114 Series Engine Shop Manual.

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TESTING AND ADJUSTING BOOM KICK-OUT

★ Hydraulic oil temperature: 45 - 55 °C

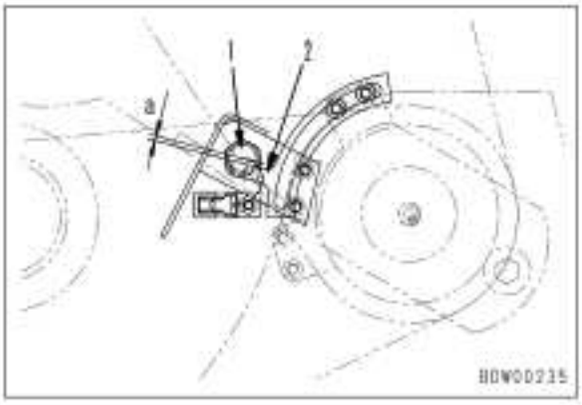
Testing

1. Start the engine, operate the lift arm lever to actuate proximity switch (1), then stop the engine.

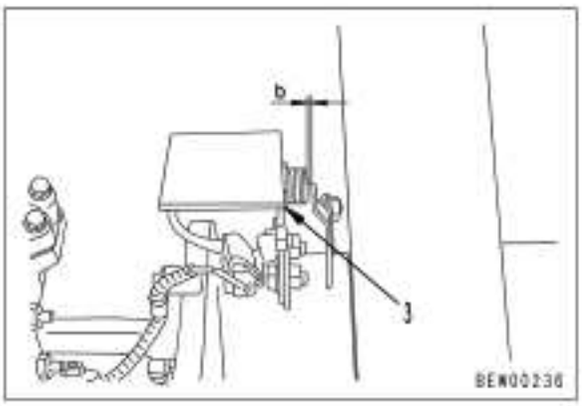


WARNING! Always be sure to apply the safety lock to the work equipment control lever.

2. After stopping the engine, measure dimension **a** between the center of proximity switch (1) and the top of plate (2).
   ★ Standard dimension **a**: 0 - 5 mm



3. Measure clearance **b** between the proximity switch sensing surface and the plate.
   ★ Standard dimension **b**: 3 - 5 mm



Adjusting

1. If dimension **a** is not within the standard value, move the plate to adjust.
2. If dimension **b** is not within the standard value, adjust proximity switch mounting nut (3).



Mounting nut: . . . . . .
. . . . . **14.7 - 19.6 Nm {1.5 - 2.0 kgm}**

★ After adjusting, operate the lift arm lever and check that the proximity switch is actuated normally.

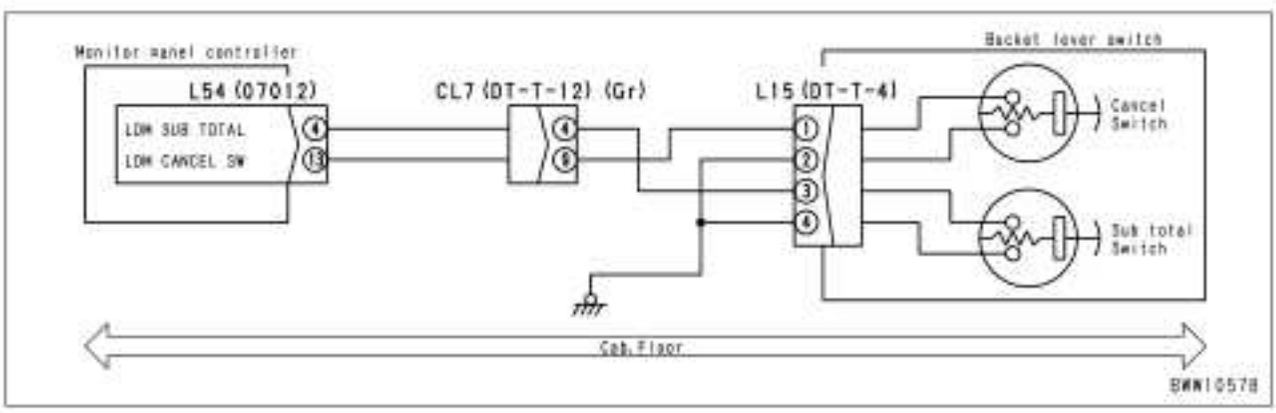
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TROUBLESHOOTING CODE [MON-16]

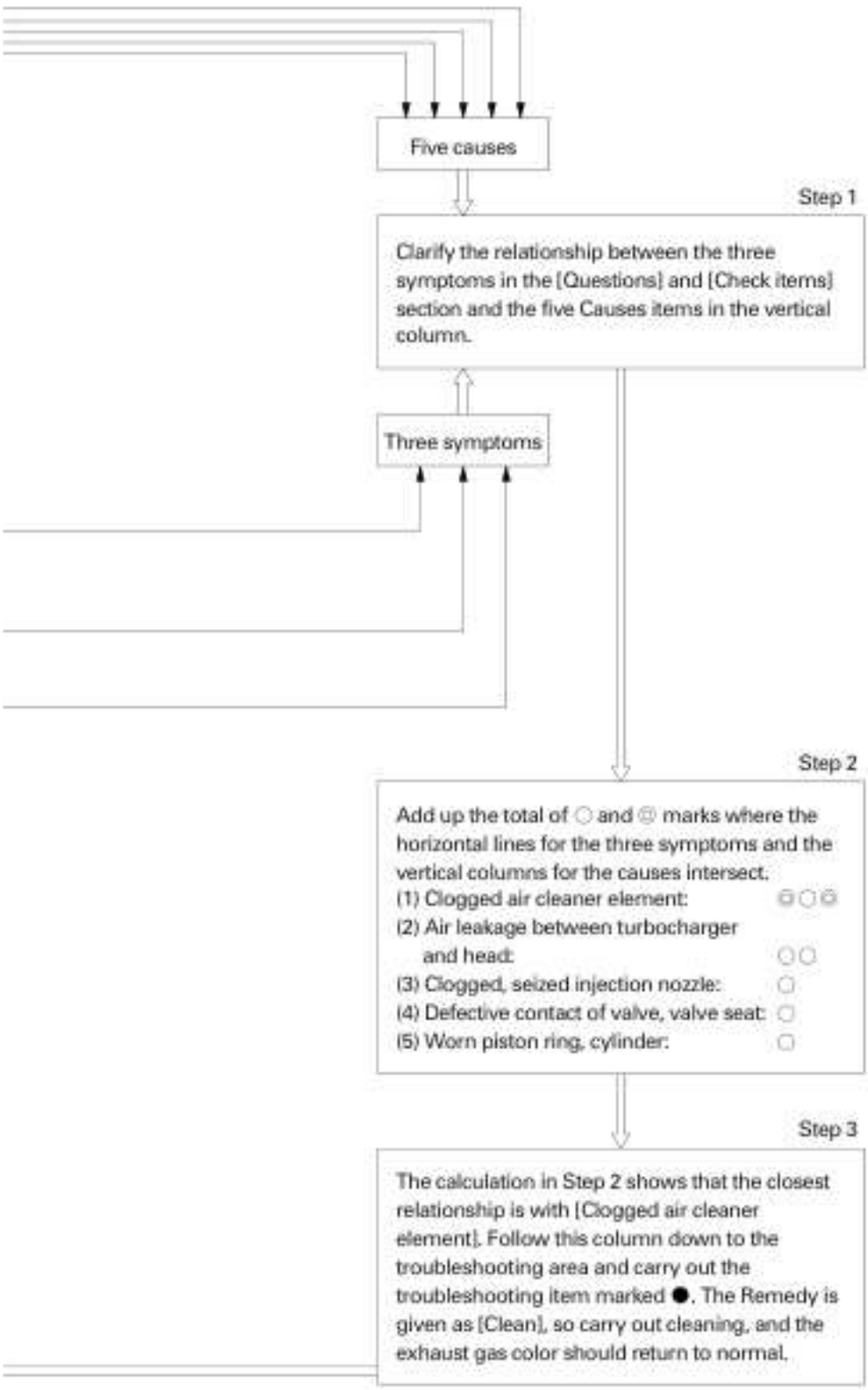
Troubleshooting Code	Failure Code	Controller Code	Trouble	Defective subtotal switch
MON-16	—	(MON)		
Description of Trouble	• The subtotal switch input circuit is in the OPEN state.			
Controller Reaction	• No reaction.			
Effect on Machine	• The load meter subtotal operation is impossible.			
Related Information	• This code is applied to the load meter specification. • The subtotal switch input signal (0/1) can be checked with the monitoring function (Code: 40904, D-IN-32).			

Possible Causes and Standard Values		Causes	Standard Value in Normal State and Remarks on Troubleshooting			
	1	Defective subtotal switch (BUCKET LEVER FOR OPTLDM)	1) Turn starting switch OFF. 2) Disconnect connector L15. 3) Connect T-adapter.			
			Between L15 (Female) (3) - (4)	Subtotal switch = ON	Resistance	1 Ω and below
				Others	Resistance	1 MΩ and above
	2	Harness disconnection (Disconnection or defective contact)	1) Turn starting switch OFF. 2) Disconnect connectors L54 and L15. 3) Connect T-adapter.			
			Between L54 (Female) (4) - L15 (Female) (3)		Resistance	1 Ω and below
	3	Harness hot short fault	1) Turn starting switch OFF. 2) Disconnect connectors L54 and L15. 3) Connect T-adapter. 4) Turn starting switch ON.			
			Between L54 (Female) (4), L15 (Female) (3) - body		Voltage	1 V and below
	4	Defective monitor panel	1) Turn starting switch OFF. 2) Disconnect connector L54. 3) Connect T-adapter. 4) Turn starting switch ON.			
			Between L54 (Female) (4) - body	Subtotal switch = ON	Voltage	1 V and below
				Others	Voltage	20 - 30 V

Related circuit diagram

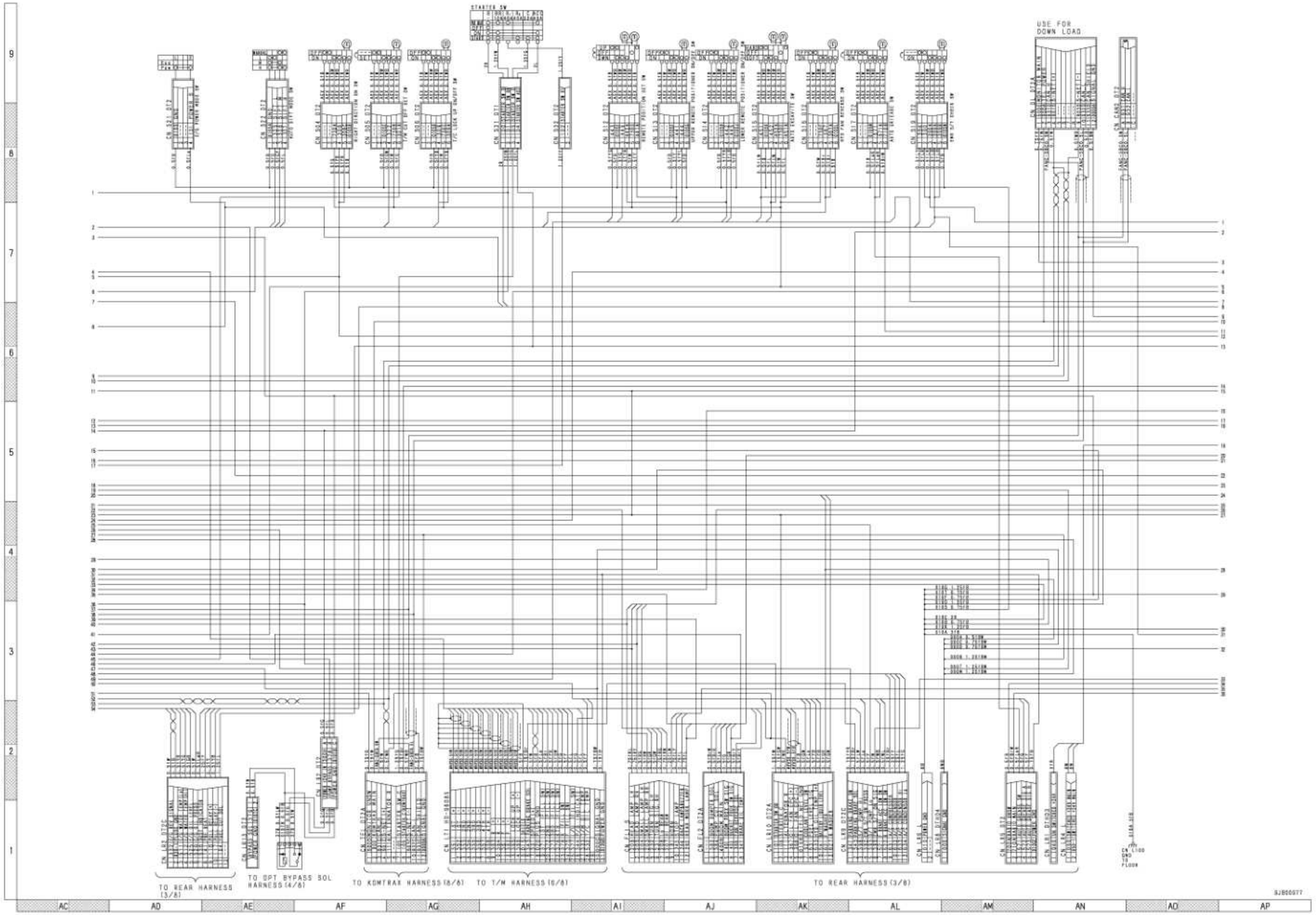


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ELECTRICAL CIRCUIT DIAGRAM 2/8 (3/4)



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