CEBM009703

Shop Manual

KOMATSU®

WA380-5L

WHEEL LOADER

SERIAL NUMBERS **WA380-5L** **A52001** and UP

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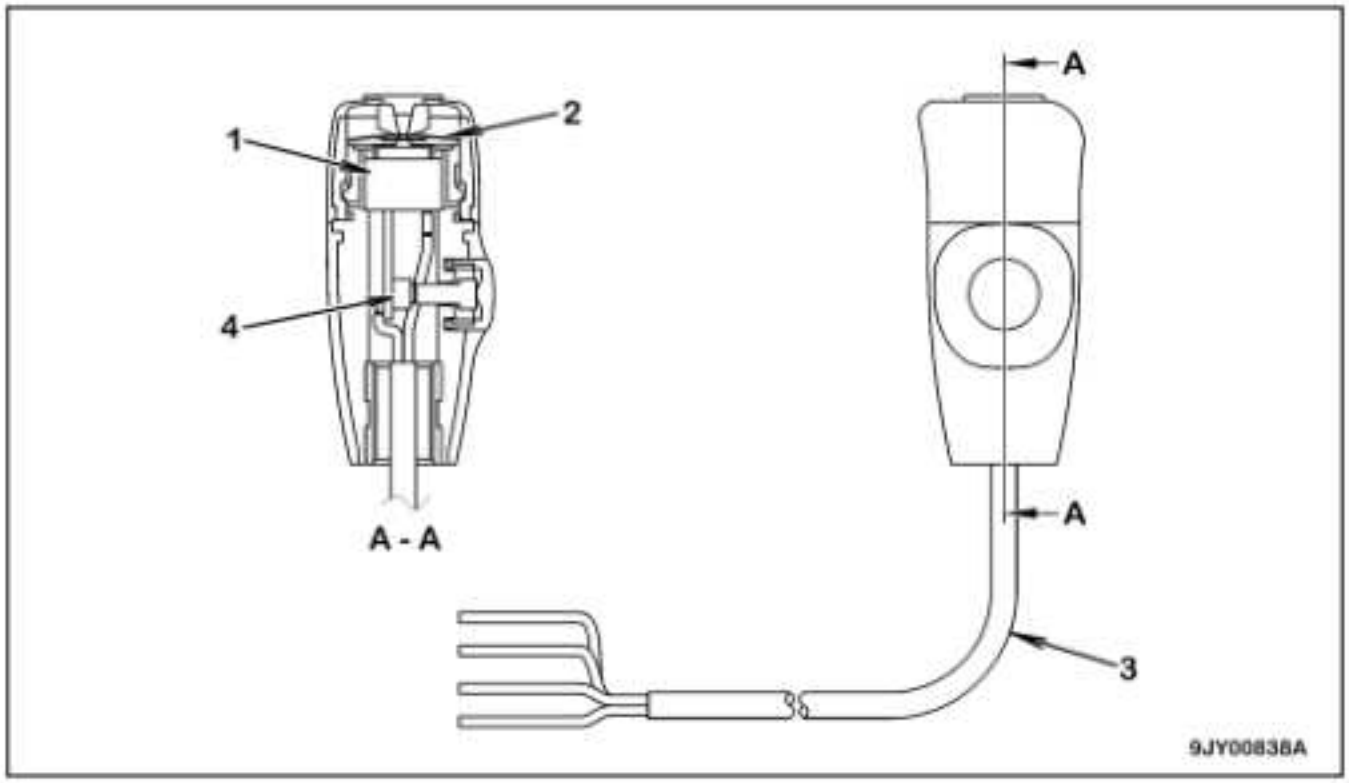
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KICK DOWN, HOLD SWITCH



1. Switch A (white harness)
2. Spring
3. Harness
4. Switch B (yellow harness)

Functions

- Installed on the lift arm-operating lever, switch **A** (1) and switch **B** (4) function as the kick-down switch and hold switch, respectively.
- When the load meter (optional) is provided, switch **A** and switch **B** are installed on the bucket-operating lever. In this case, switch **A** and **B** function as the cancel switch and sub-total switch, respectively.
- The contact of both switches **A** and **B** resets automatically. Normally, the contacts close only when the switches are depressed.

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Failure Code [B@BCNS]

Engine Coolant Temperature Overheating

Troubleshooting code	Failure code	Controller code	Trouble	Engine coolant temperature overheating
E02	B@BCNS	MON		
Description of trouble	• The engine coolant temperature is above 105°C (221°F).			
Controller reaction	• Triggers an alarm (Turns the engine coolant temperature caution lamp ON at 102°C (215°F) or above and issues this failure code at 105°C (221°F) or above).			
Effect on machine	• The engine coolant temperature overheat alarm is issued (The engine may be damaged if operation continues).			
Related information	• Can be checked with the monitoring function (Code: 04103).			

Possible Causes and Standard Values		Cause	Standard value in normal state/Remarks on troubleshooting			
	1	Overheating engine coolant temperature	—			
	2	Defective engine coolant temperature sensor	1) Turn starting switch OFF. 2) Disconnect connector E08. 3) Connect t-adapter.			
			Between E08 (Male) (1) - (2)	Normal temperature (25°C) (77°F)	Resistance	35 - 50 Ω
				100°C (212°F)	Resistance	3.1 - 4.5 Ω
	3	Wiring harness ground fault	1) Turn starting switch OFF. 2) Disconnect connectors L55 and E08. 3) Connect t-adapter.			
			Wiring harness between L55 (Female) (8)/E08 (Female (1) - body		Resistance	1 MΩ and above
	4	Defective monitor panel	1) Turn starting switch OFF. 2) Disconnect connector L55. 3) Connect t-adapter.			
			Between L55 (Female) (8) - body	Normal temperature (25°C) (77°F)	Resistance	35 - 50 Ω
				100°C (212°F)	Resistance	3.1 - 4.5 Ω

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Troubleshooting Code [MON-18]

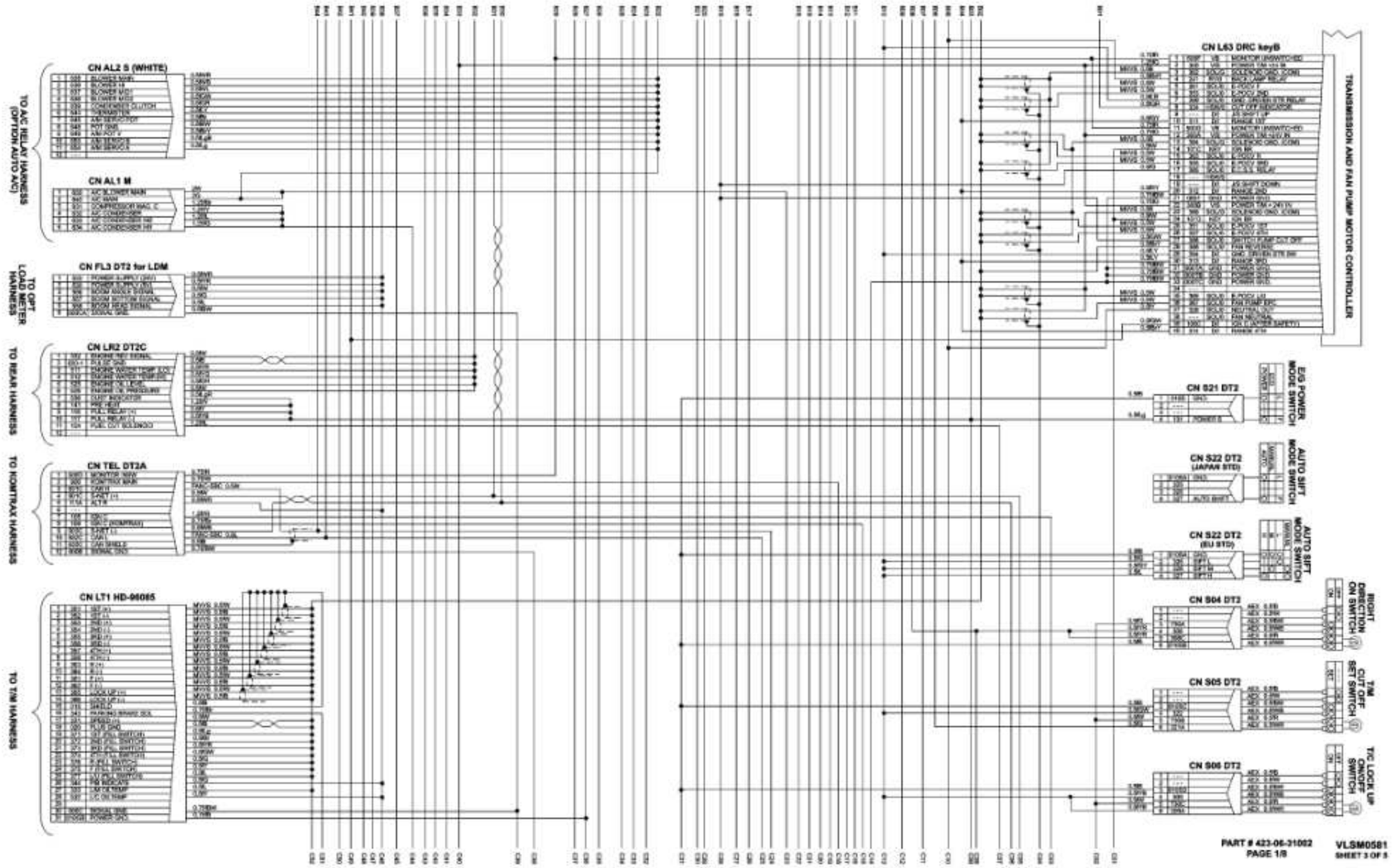
Defective Bottom Pressure Sensor (Short Fault)

Troubleshooting code	Failure code	Controller code	Trouble	Defective bottom pressure sensor (short fault).
MON-18	—	(MON)		
Description of trouble	• The input voltage from the bottom pressure sensor is 5.3 V and above.			
Controller reaction	• No reaction.			
Effect on machine	• The alarm does not function and the load is not displayed.			
Related information	• This code is applied to the load meter specification. • The bottom pressure signal (0.01 MPa) can be checked with the monitoring function (Code: 40400).			

Possible Causes and Standard Values		Cause	Standard value in normal state/Remarks on troubleshooting			
	1	Defective lift arm pressure sensor (Bottom side)	1) Turn starting switch OFF. 2) Disconnect connector F16. 3) Insert T-adapter. 4) Turn starting switch ON.			
			Between F16 (B) - (A)		Voltage	20 - 30 V
			Between F16 (C) - (A)	At running	Voltage	0.7 - 5.3 V
				At atmosphere	Voltage	0.5 - 1.5 V
	2	Harness hot short fault (Contact with power supply harness)	1) Turn starting switch OFF. 2) Disconnect connector F16. 3) Connect T-adapter.			
			Between L55 (Female) (9) - F16 (Female) (C) - body		Voltage	1 V and below
	3	Defective monitor panel	1) Turn starting switch OFF. 2) Disconnect connectors L51, F16, and F17. 3) Insert T-adapter. 4) Turn starting switch ON.			
			Between L51 (15) - body		Voltage	20 - 30 V
			Between L55 (9) - body	At running	Voltage	0.7 - 5.3 V
				At atmosphere	Voltage	0.5 - 1.5 V

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FLOOR HARNESS - TRANSMISSION HARNESS



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