CEBM013602

SHOP MANUAL

KOMATSU®

WA320PT-5L

PARALLEL TOOL CARRIER

SERIAL NUMBERS **WA320PT-5L** **A39001** and UP

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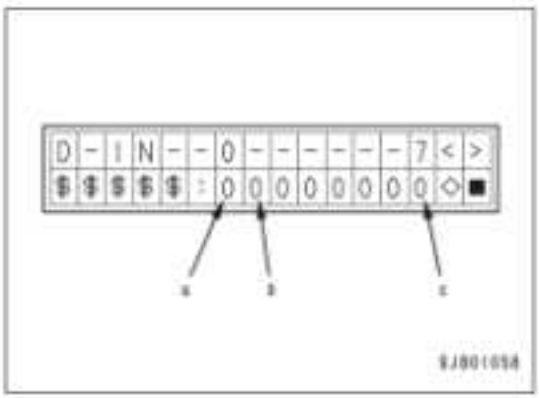
Speedometer Specifications

Item ID	Real-time monitoring item	Item display	Display unit	Display range	Detection component	Terminal No.	Remarks
	Items for sensors not installed depending on the model and option are all displayed	Abbreviated due to limit on number of characters	Items with units all use SI units	Values outside display range are displayed with fixed display in display range			
Monitor Panel Controller							
20200	Monitor ROM part No.	MONITOR ROOM	-	-	Monitor	-	
40000	Travel speed	SPEED	1 km/h	0 - 50	HST	L41-13	
04202	Fuel level	FUEL SENSOR	1%	0 - 100	Monitor	L23-13	
04101	Engine water temperature	COOLANT TEMP	1 °C	24 - 131	Monitor	L21-16	
04103	Engine water temperature (Low temperature)	COOLANT Lo	1 °C	-31 - 91	Monitor	L21-6	
30100	HST oil temperature	HST TEMP	1 °C	24 - 131	Monitor	L21-14	
30202	Axle oil temperature	BRAKE TEMP	1 °C	24 - 131	Monitor	L21-8	
01005	Engine speed	ENG SPEED	1 rpm	0 - 3000	HST	L42-4	HST Controller CAN
32600	HST oil pressure	HST PRESS	0.1 MPa	0.0 - 100.0	HST	L41-3	HST Controller CAN
80000	Motor 1 solenoid feed-back current	MOTOR SOL	1 mA	0 - 1000	HST	L41-6	HST Controller CAN
80100	Clutch solenoid feed-back current	CLUTCH SOL	1 mA	0 - 1000	HST	L41-14	HST Controller CAN
50302	Potential voltage	SPEED POT	1%	0 - 100	HST	L41-1	HST Controller CAN
80200	HST traction force	TRACTION	---	STD/LIMIT	HST	L42-3	HST Controller CAN

1. How to read input signal (D-IN--------7)

   A. Load Meter Specification

A signal input through an ON/OFF switch to the controller is displayed in the form of D-IN-* (* is the input No.) It is displayed as shown.



a . The state of input signal of D-IN-0 is displayed.

b . The state of input signal of D-IN-1 is displayed.

c . The state of input signal of D-IN-7 is displayed.

$$$$$$$: The item ID displayed

If the input state is displayed as "0", any signal is not input (OFF)
If the input state is displayed as "1", a signal is input.

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POINTS TO REMEMBER WHEN TROUBLESHOOTING

Points To Remember If A Problem Returns To Normal

There is a high probability the same problem will occur again, it is desirable to follow up on the problem carefully.

1. If any abnormality returns to normal by itself.
2. If the connector is disconnected and the T-adapter is inserted, or if the T-adapter is removed and the connector is returned to its original position when carrying out troubleshooting on the failure, and the service code is no longer displayed, or if the monitor display returns to normal.
3. After completing troubleshooting, always erase the user code from memory.

User Code Memory Retention Function

When displaying the codes in the memory and carrying out troubleshooting, record the content of the display first, then erase the display. After re-enacting the problem, carry out troubleshooting according to the failure codes that are now displayed.

There are cases where mistaken operation or abnormalities occur when a connector is disconnected. Erasing the data in this way saves any wasted work.

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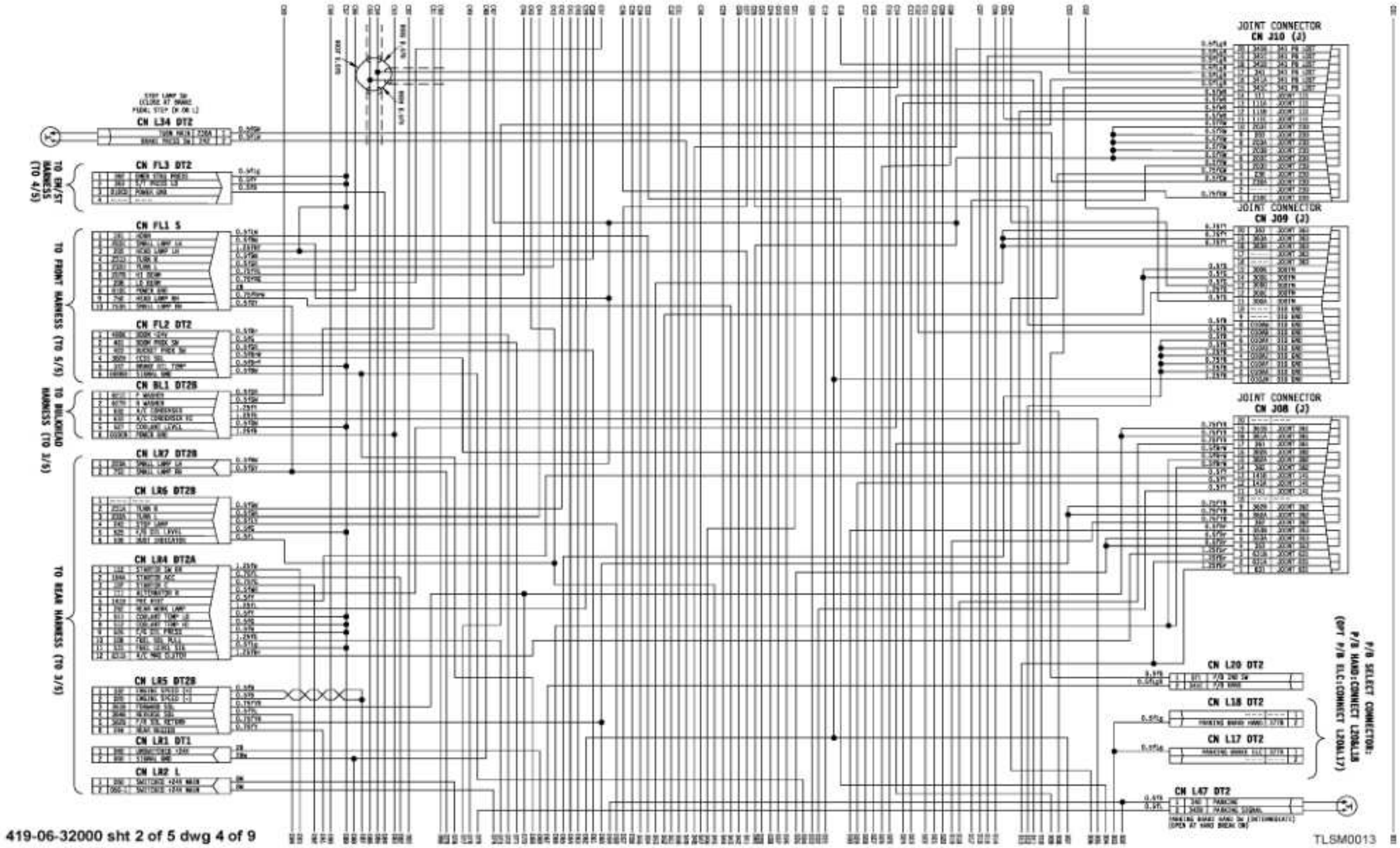
Electrical Circuit Diagram

This is part of the electrical circuit diagram which shows the portion where the failure occurred.

- Connector No.: Indicates (Type - number of pins) (color)
- Arrow: Roughly indicates the location in the machine where it is installed.

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TO REAR AND BULKHEAD HARNESS



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