CEBM004702

Shop Manual

KOMATSU®

avance® plus

WA250PT-3MC

PARALLEL TOOL CARRIER

SERIAL NUMBERS **WA250PT-3MC - A78001** and UP

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WEIGHT TABLE

This weight table is a guide for use when transporting or handling components.

	kg	lb
Engine	575	1267.7
Radiator	70	154.3
Torque converter	40	88.2
Transmission with torque converter	557	1228
Center drive shaft	19	41.9
Front drive shaft	15	33.1
Rear drive shaft	6	13.2
Front axle	507	1117.7
Rear axle	495	1091.2
Axle pivot	85	187.3
Wheel (each)	77	169.8
Tire (each)	106	233.7
Steering cylinder (each)	20	44.1
Orbit-roll valve	7	15.4
Priority valve	6	13.2
Hydraulic tank	71	156.5
Main control valve	21	42.3
Equipment/steering pump	13	28.7
Boom lift cylinder	85	227.7
Link (link to bucket)(each)	49	131.3
Link (link to boom)(each)	28	61.7
Link (link to frame)(each)	21	46.3

	kg	lb
Brake booster	11	1267.7
Hydraulic steering pump	18	39.7
JRB coupler	381	840
JRB 48-inch fork	131	289
JRB 60-inch fork	152	335.1
Tilt cylinder (each)	67.5	148.8
Engine hood with side panel	119	262.3
Front frame	1180	2601.4
Rear frame	727	1602.8
Bellcrank (each)	64	141.1
Boom lift arm (including bushing)	540	1190.5
Bucket with bolt-on cutting edge	1073	2365.6
Counterweight	1390	3064.4
Fuel tank	104	229.3
Battery (each)	33	72.7
Floor, cab assembly	1080	2381
Cab (ROPS)	520	1146.4
Air conditioner unit	38	83.8
Operator's seat	40	88.2
Coupler	247	544.5
Side counterweight	455	1003.1

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SPECIFICATIONS

	Machine model	WA250PT-3	
	Serial number	A78001 and up	
Dimensions		mm	in
	Overall width (over tires)	2465	97
	Overall height (top of ROPS canopy)	3246	128
	Wheelbase	2900	114
	Tread	1930	76
	Minimum ground clearance	455	17.9
Engine	Model	Komatsu S6D102E-1	
	Type	Water-cooled, 4-cycle	
	Aspiration	Turbocharged	
	No. of cylinders -- bore x stroke	6 -- 102 X 130 mm (4.0 x 4.7 in)	
	Piston displacement	5.9 liters (359 cu in)	
	Gross power @ 2400 rpm	104 kW (139 hp)	
	Net power	98 kW	131 hp
	Maximum torque @ 1600 rpm High idle Low idle	531 Nm (391 lbf ft) 2650 ± 50 rpm 850 ± 25 rpm	
	Starting motor Alternator Battery	24V, 4.5 kW 24V, 50 A 12V, 110 Ah x 2	

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MEMORANDA

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METHOD OF USING TROUBLESHOOTING CHARTS

CATEGORY OF TROUBLESHOOTING CODE NUMBER

Troubleshooting code No.	Troubleshooting of Component
A - 00	Transmission Controller System
D - 00	ECSS (Electronically Controlled Suspension System)
E - 00	Electrical System
K - 00	Maintenance Monitor System
M - 00	Main Monitor System
S - 00	Engine System
T - 00	Hydraulic & Mechanical Systems

METHOD OF USING TROUBLESHOOTING TABLE FOR EACH TROUBLESHOOTING MODE.

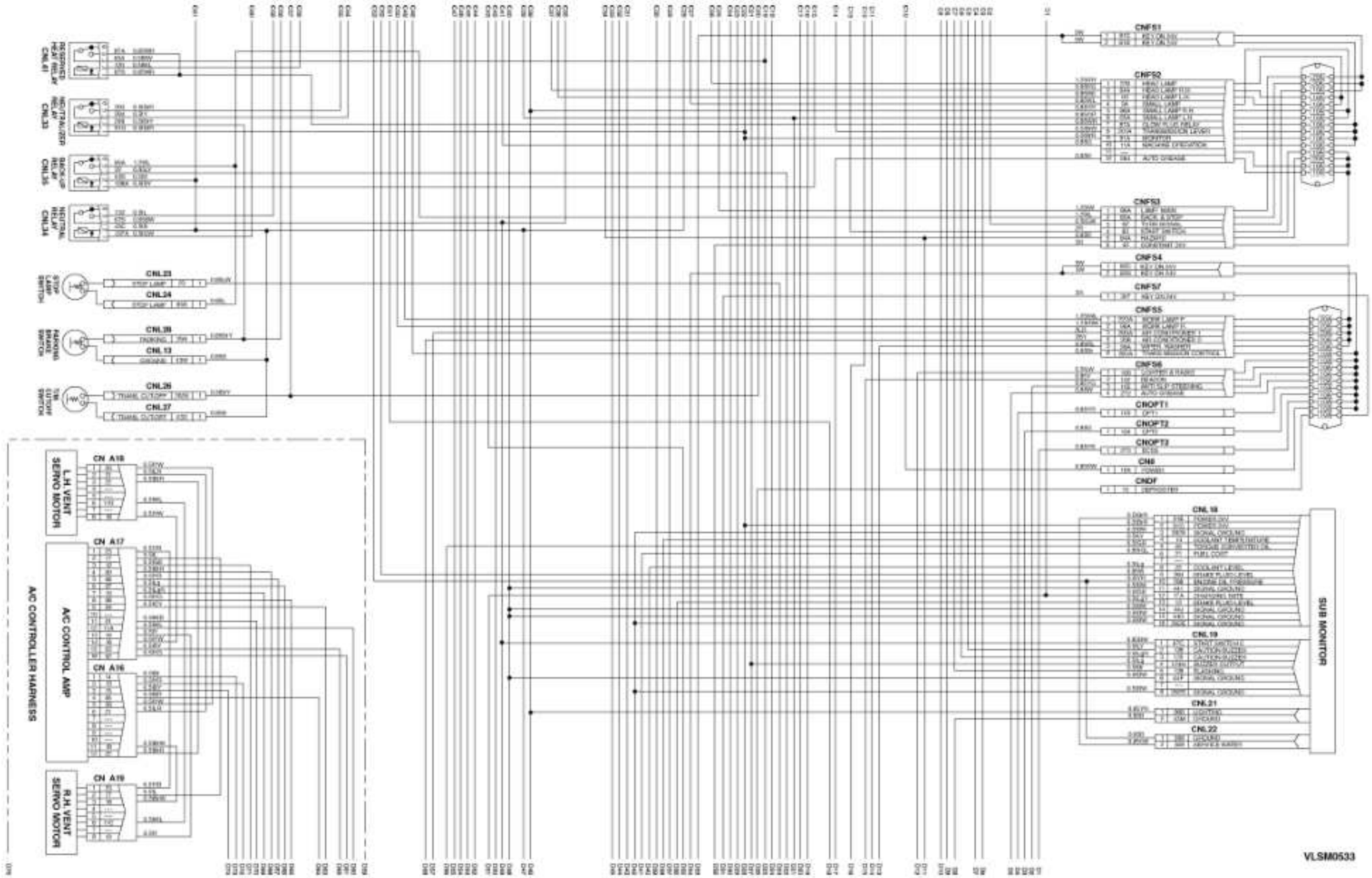
1. Troubleshooting code number and problem.
   The title of the troubleshooting chart gives the troubleshooting code, service code and failure mode (problem with the machine). (See Example (1)).

2. Distinguishing conditions.
   Even with the same failure mode (problem), the method of troubleshooting may differ according to the model, component, or problem. In such cases, the failure mode (problem) is further divided into sections marked with small letters (for example, (a)), so go to the appropriate section to carry out troubleshooting.
   If the troubleshooting table is not divided into sections, start the troubleshooting from the first check item in the failure mode. (See Example (2)).

3. Method of following troubleshooting chart.
   - Check or measure the item inside ⊣ n.o. / n.c. and according to the answer, follow either the YES line or the NO line to go to the next ▭ condition box. (Note: The number at the top right corner of the ▭ condition box is an index number; it does not indicate the order to follow.)
   - Following the YES or NO lines according to the results of the check or measurement will lead finally to the Cause column. Check the cause and take the action given in the Remedy column on the right. (See Example (3))
   - Below the ▭ condition box, there are the methods for inspection or measurement, and the judgement values.
     If the judgement values below the ▭ condition box are correct or the answer to the question inside the ▭ condition box is YES, follow the YES line. If the judgement value is not correct, or the answer to the question in NO, then follow the NO line.
   - Below the ▭ condition box is given the preparatory work needed for inspection and measurement, and the judgement values. If this preparatory work is neglected, or the method of operation or handling is mistaken, there is the danger that it may cause mistaken judgement or the equipment may be damaged. Therefore, before starting inspection or measurement, always read the instructions carefully, and start the work in order from the first item 1.

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ELECTRICAL WIRING DIAGRAM (4/7)



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