SEBMW00300

SHOP MANUAL

KOMATSU®

WD500-3

MACHINE MODEL	SERIAL No.
WD500-3	50001 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.

- WD500-3 mounts the S6D140-2 engine.
  For details of the engine, see the 6D140-2 Series Engine Shop Manual.

- This Shop Manual includes only the portions exclusive to the WA500-3.
  Use this manual together with Shop Manual for the WA500-3.

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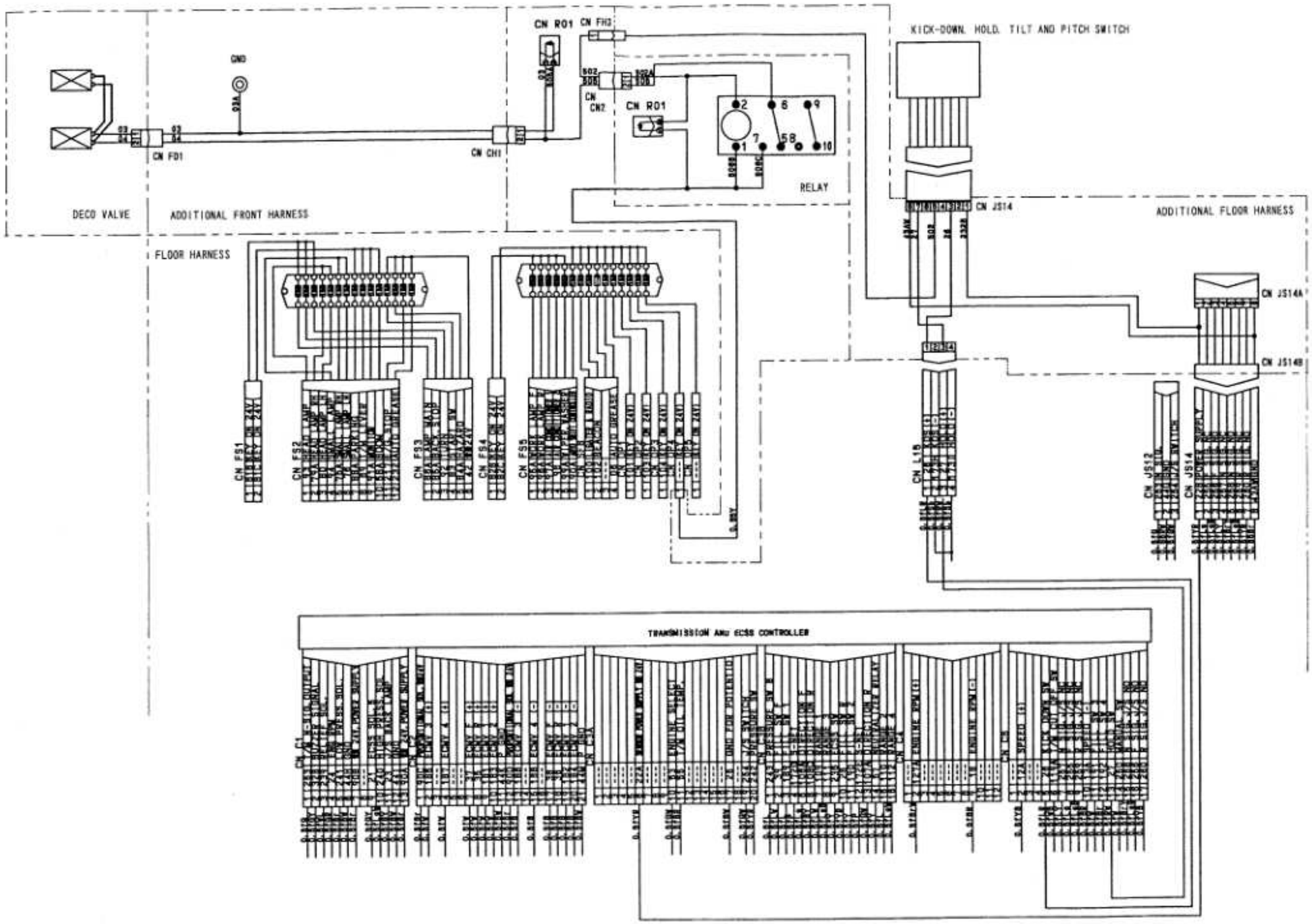
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SPECIFICATIONS

	Machine model			WD500-3
	Serial No.			50001 and up
Weight	Operating weight		kg	26,900
	Distribution (front)		kg	12,700
	Distribution (rear)		kg	14,200
Performance	Blade capacity		m3	5.1
	Travel speed	FORWARD 1st	km/h	7.1
		FORWARD 2nd	km/h	12.6
		FORWARD 3rd	km/h	21.2
		FORWARD 4th	km/h	34.8
		REVERSE 1st	km/h	7.9
		REVERSE 2nd	km/h	14.1
		REVERSE 3rd	km/h	23.5
		REVERSE 4th	km/h	38.1
	Max. rimpull		KN{kg}	259.9{26,500}
	Gradeability		deg	25
Dimensions	Min Turning radius	Center of outside wheel	mm	6,160
		Outsideconner of blade	mm	7,485
	Performance	Overall length	mm	7,930
		Overall width w/o blade	mm	3,190
		blade width	mm	4,550
		Overall height (top of ROPS c	mm	3,860
		(Blade)	mm	1,260
		Wheelbase	mm	3,600
		Tread	mm	2,400
		Min.ground clearance	mm	455
		Digging depth	mm	440
Engine	Model			S6D140E
	Type			4-cycle,water-cooled,6-cylinder direct injection,with turbocharger
	No.of cylinders-bore × stroke		mm	6-140 × 165
	Piston displacement		l{cc}	15.2{15,200}
	Flywheel horsepower		kW/rpm{HP/rpm}	235/2,100{315/2,100}
	Maximum torpue		Nm/rpm{kgm/rpm}	1,372/1,400{140/1,400}
	Fuel consumption ratio		g/kW·h{g/HP·h}	226{168}
	High iding speed		rpm	2,300
	Low iding speed		rpm	725
	Starting motor			24V 11kW
	Alternator			24V 35A
	battery			12V 170Ah × 2

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ELECTRIC CIRCUIT DIAGRAM (TILT AND PITCH CONTROL)



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