LEBMD68C00

SHOP MANUAL

KOMATSU®

D68ESS-12

MACHINE MODEL	SERIAL NUMBER
D68ESS-12	J10001 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.

D68ESS-12 mount the S6D114E-1 engine.
For details of the engine, see the 114 Series Engine Shop Manual

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SPECIFICATIONS

Machine model				
Serial Numbers				1001 and up
Weight	Operating weight • bare tracktor • with angle tiltdozer ,sweep guard, winch • with angle dozer sweep guard , winch		kg	 14,280 16,800 19,100
Performance	Min. truning radius		m	2,8
	Gradeability		deg	30
	Stability (front, rear, left, right)		deg	35
	Speed ranges	Forward 1st Forward 2nd Forward 3rd	km/h	3,4 5,8 9,0
		Reverse 1st Reverse 2nd Reverse 3rd	km/h	4,4 7,6 11,3
	Ground pressure	Bare tractor Angle tiltdozer,winch, sweep guard Angle tiltdozer ,winch, sweep guard	kPa (kg/cm²)	39 (0.40) 52 (0.53) 52 (0.53)
Dimensions	Overall length	. Bare tractor . With angel tiltdozer, winch . With angel dozer, winch	mm	4100 6120 6280
	Overall width	. Bare tractor . With angel tiltdozer . With angel dozer	mm	2535 3275 3970
	Overall heights	· To tip of exhaust pipe · To top of operator's compartment · To top of sweep guard	mm	3780 2305 3135

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Machine model				D68ESS-12
Serial Numbers				1001 and up
Dimensions	Track gauge			1.925
	Length of track on ground			2.930
	Width of track shoe (standard)		mm	610
	Min. ground clearance (To bottom of undercover)			390
Engine	Model			S6D114E-1A
	Type			4-cycle, water cooled, inline vertical type direct injection With turbocharger
	No. of cylinder – bore x stroke		mm	6 – 114 x 135
	Piston displacement		ℓ (cc)	8.27 (8,270)
	Performance	Rated horsepower	kw/rpm (HP/rpm)	116 /1,850 (155 /1,850)
		Max. torque	Nm/rpm (kgm/rpm)	824/1,300 (84 /1,300)
		High idling	rpm	2,000
		Low idling	rpm	890
		Min. fuel consumption ratio	g/kwh (g/HPh)	220 (163)
	Starting motor			24V, 7.5kW
	Alternator			24V, 35A
	Battery			12V, 200 Ah x 2
	Radiator core type			D-6
Power train system	Torque converter			3-element, 1-stage, 1 phase
	Transmission			Planetary gear type, multiple disc clutch, hydraulically actuated, lubrication gear pump, force feed, forward 3 speed, reverse 3 speed, manual mechanical type

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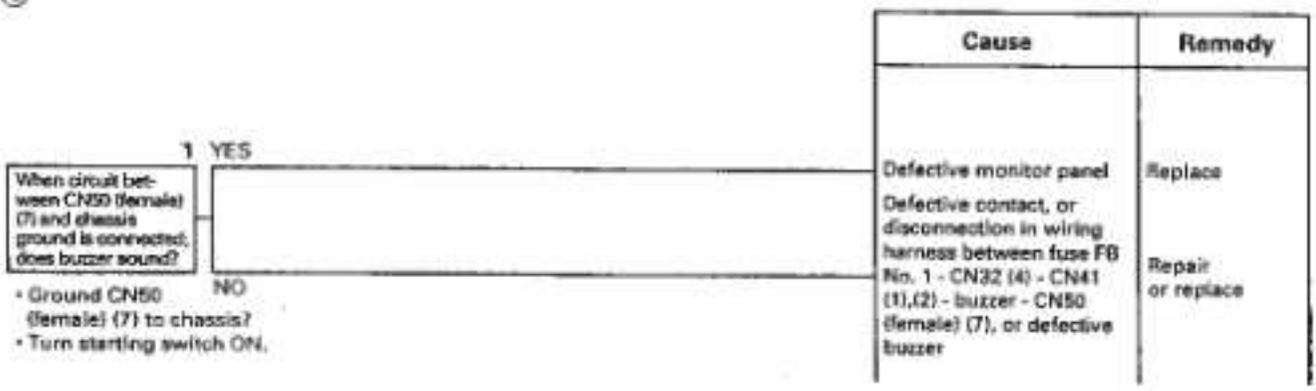
<An example>

① **M-5. Buzzer abnormal**

② ★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.
★ Of the caution items, only CHARGE does not have the alarm buzzer sound when there is an abnormality.

③ **a) Caution item flashes but buzzer does not sound**

④



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