D75S2BE2

Shop Manual

KOMATSU®

D75S-2

DOZER SHOVEL

SERIAL NUMBER **D75S-2 1004 and up**

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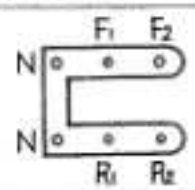
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ENGINE	DIMENSIONS		length	1737 mm (68.4")
			width	701 mm (27.6")
			height	2512 mm (98.9")
	Valve mechanism	VALVE CLEARANCE	Intake Valve	0.41 mm (0.016") (when cold), 0.36 mm (0.014") (when hot)
			Exhaust valve	0.74 mm (0.029") (when cold), 0.69 mm (0.027") (when hot)
		VALVE TIMING	Intake valve opens	36° Before TDC
			Intake valve closes	40° After TDC
			Exhaust valve opens	64° Before BDC
			Exhaust valve closes	26° After TDC
	Fuel system	FUEL PUMP		PTG fuel pump, w/MVS governor
		GOVERNOR		Mechanical, all speed control
	Lubrication system	LUBRICATION METHOD		Gear pump, forced lubrication
		FILTER		Full-flow and bypass type
	COOLING SYSTEM			Forced circulation by centrifugal water pump
	AIR CLEANER			Dry type, with pre-cleaner
	Electrical system	GENERATOR		24 V, 0.3 KW
		REGULATOR UNIT		
		BATTERY		12 V 150 Ah, two batteries
	STARTING METHOD			By electric starting motor (24 V, 7.4 KW)
POWER LINE	Torque converter	TYPE		4-element, single-stage, 3-phase
		MAKE		FUJI (TC 17A)
		OIL SPECIFICATION		Engine oil (SAE No. 10 W)
		STALL-TORQUE RATIO		3.5
		COOLING METHOD		Water cooled
	Powershift transmission	TYPE		Hydraulically actuated, planetary-gear multi-disc type
		SHIFT-SPEEDS		2 speeds forward, 2 speeds reverse
		SHIFT-LEVER PATTERN		
		LUBRICATION		Pressure feed type
	Range transmission	RANGE TRANSMISSION TYPE		Spur-gear sliding shift type, high-low shift
		TYPE		Spiral bevel type, single reduction
		LUBRICATION		Splash type
		REDUCTION RATIO		3.31 (=43/13)
	Steering clutch	TYPE		Wet, multiple disc, foot operated, full hydraulic actuated
		CLUTCH FACINGS	Number	6
			Bore	240 mm (9.45 in)

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POWER LINE	Steering clutch	CLUTCH FACINGS	O. D.	320 mm (12.60 in)
			Thickness	4.2 mm (0.17 in)
		FACING MATERIAL		Sintered alloy
	Steering brake	TYPE		Wet, contracting band type, foot operated
		BRAKE BAND FACINGS	Number	5 segments
			Width	100 mm (3.94 in)
			Length	228 mm (8.98 in)
			Thickness	9 mm (0.35 in)
		FACING MATERIAL		Woven type
UNDERCARRIAGE	TYPE			Spur gear, double reduction
	LUBLICATION			Splash type
	REDUCTION RATIO			16.66 (=48/11 × 42/11)
	SUSPENSION			Semi-rigid equaliser bar type
	NUMBER OF CARRIER ROLLERS			2, each side
	NUMBER OF TRACK ROLLERS			7, each side
	Shoe	TYPE		Assembled, semi-double grouser
		GROUSER HEIGHT		60 mm (3.5 in)
		NUMBER OF SHOES		37, each side
		WIDTH		480 mm (18.9 in)
		PITCH		216 mm (8.504 in)
BUCKET CONTROL	BUCKET ACTUATING LINKAGE			Double-leverage type
	BUCKET CONTROL LEVER			Single lever providing TILT & LIFT control
	BUCKET POSITIONING			By kickout device for LIFT motion and by positioner for TILT motion
	OPERATOR'S SEAT			Single-seat fore-aft adjustable type, located at rear and on machine center line
CONTROLS	NUMBERS OF CONTROLS		Fuel control lever	1
			Compression release lever	1
			Gearshift lever	1
			Safety lever	1
			High-low speed selector lever	1
			Decelerator pedal	2
			Horn switch	1
			Steering pedal	2 (1, each side)
			Bucket control lever	1
			Priming pump	1
			Air pre-heater switch	1
			Lighting switch	1
			Circuit breaker	1
			Glow plug indicator	1
			Starting switch	1

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