SEBM005305

SHOP MANUAL

KOMATSU®

D155A-3

MACHINE MODEL	SERIAL NUMBER
D155A-3	**60001 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.

- D155A-3 mounts the S6D140-1 and SA6D140-2 engine.
  For details of the engine, see the 6D140-1 Series and 6D140-2 Series Engine Shop Manual.

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Machine model				D155A-3	
Serial number				60001 – 60271	60272 and up
Work equipment hydraulic system	Hydraulic cylinder	Type		Reciprocal, piston type	
	Dimensions of blade lift cylinder	Cylinder bore	mm	120	
		Piston rod outer diameter		75	
		Max. piston stroke		1,347	
		Max. distance between pins		3,187	
		Min. distance between pins		1,836	
	Dimensions of blade tilt cylinder	Cylinder bore	mm	180	
		Piston rod outer diameter		90	
		Max. piston stroke		160	
		Max. distance between pins		1,468	
		Min. distance between pins		1,308	
	Dimensions of blade tilt, pitch cylinder	Cylinder bore	mm	200	
		Piston rod outer diameter		90	
		Max. piston stroke		160	
		Max. distance between pins		1,468	
		Min. distance between pins		1,308	
	Dimensions of ripper lift cylinder	Cylinder bore	mm	160	
		Piston rod outer diameter		80	
		Max. piston stroke		510	
		Max. distance between pins		1,538	
		Min. distance between pins		1,028	
	Dimensions of ripper tilt cylinder	Cylinder bore	mm	160	
		Piston rod outer diameter		80	
		Max. piston stroke		350	
		Max. distance between pins		1,545	
		Min. distance between pins		1,195	

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Machine model				D155A-3	
Serial number				60001 – 60271	60272 and up
Work equipment	Hydraulic tank			Box type (control valve externally installed)	
	Type			Hydraulic semi U-tiltdozer, hydraulic U-tiltdozer	
	Blade support method			Brace type (right tilt cylinder)	
	Semi U-dozer	Performance	Blade lifting height (from ground level)	mm	1,250
			Blade lowering depth (from ground level)	mm	590
			Max. blade tilt	mm	1,000
			Blade cutting angle variation	deg	± 6
			Blade capacity	m^3	8.8 < SAE 11.7 >
		Dimensions	Blade width	mm	3,955
			Blade height	mm	1,720
			Blade cutting angle	deg	52
	U-dozer	Performance	Blade lifting height (from ground level)	mm	1,250
			Blade lowering depth (from ground level)	mm	590
			Max. blade tilt	mm	1,080
			Blade cutting angle variation	deg	± 6
			Blade capacity	m^3	11.8 < SAE 13.2 >
		Dimensions	Blade width	mm	4,265
			Blade height	mm	1,720
			Blade cutting angle	deg	52
	Semi U-dozer + pitch	Performance	Max. tilt	mm	1,000
			Max. pitch angle	deg	6
			Max. pitch-back angle	deg	6
	U-dozer + pitch	Performance	Max. tilt	mm	1,080
			Max. pitch angle	deg	6
			Max. pitch-back angle	deg	6

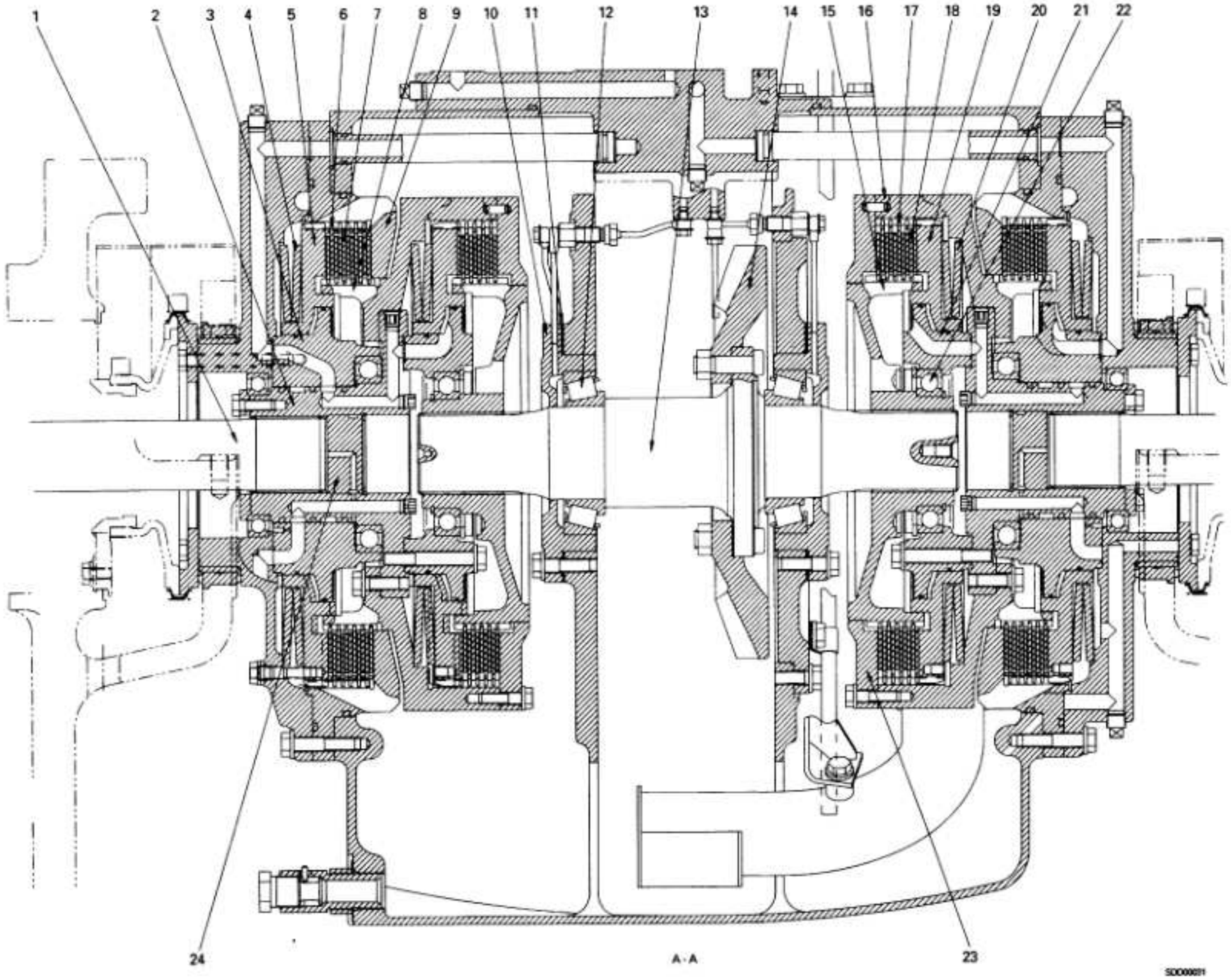
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Machine model					D155A-3	
Serial number					60001 – 60271	60272 and up
Work equipment	Multi-shank ripper	Performance	Max. digging depth	mm	870	
			Max. lifting height	mm	925	
			Ripping angle of point	deg	34.5 – 60	
		Dimensions	Max. beam width	mm	2,260	
			Shank positions	No. of holes	2	
	Giant ripper	Performance	Max. digging depth	mm	1,220	
			Max. lifting height	mm	925	
			Ripping angle of point	deg	34.5 – 60	
		Dimensions	Max. beam width	mm	1,535	
			Shank positions	No. of holes	3	

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1. Output shaft
2. Brake hub
3. Brake cage
4. Spring
5. Brake piston
6. Brake plate (5 on each side)
7. Brake disc (6 on each side)
8. Brake inner drum
9. Brake outer drum
10. Bearing cage
11. Shim (for adjusting bearing preload)
12. Bearing
13. Bevel gear shaft
14. Bevel gear (43 teeth)
15. Clutch inner drum
16. Clutch outer drum
17. Clutch plate (5 on each side)
18. Clutch disc (5 on each side)
19. Clutch piston
20. Spring
21. Clutch cage
22. Bearing
23. Clutch stopper
24. Stopper
25. Shim (for adjusting bevel pinion gear)
26. Bearing cage
27. Bearing
28. Nut (for adjusting bearing preload)
29. Bevel pinion gear (17 teeth)

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