SEBM015C2104

SHOP MANUAL

KOMATSU®

D85A-21

MACHINE MODEL	SERIAL No.
D85A-21	**35001 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.

- D85A-21 mount the S6D125-1 engine.
  For details of the engine, see the 6D125 Series Engine Shop Manual.

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CONTENTS

10 ENGINE — No. of page

12 TESTING AND ADJUSTING 12-1
13 DISASSEMBLY AND ASSEMBLY 13-1

20 POWER TRAIN

21 STRUCTURE AND FUNCTION 21-1
22 TESTING AND ADJUSTING 22-1
23 DISASSEMBLY AND ASSEMBLY 23-1
24 MAINTENANCE STANDARD 24-1

30 UNDERCARRIAGE

31 STRUCTURE AND FUNCTION 31-1
33 DISASSEMBLY AND ASSEMBLY 33-1
34 MAINTENANCE STANDARD 34-1

60 HYDRAULIC SYSTEM

61 STRUCTURE AND FUNCTION 61-1
62 TESTING AND ADJUSTING 62-1
63 DISASSEMBLY AND ASSEMBLY 63-1
64 MAINTENANCE STANDARD 64-1

70 WORK EQUIPMENT

71 STRUCTURE AND FUNCTION 71-1
73 DISASSEMBLY AND ASSEMBLY 73-1
74 MAINTENANCE STANDARD 74-1

80 ELECTRIC SYSTEM

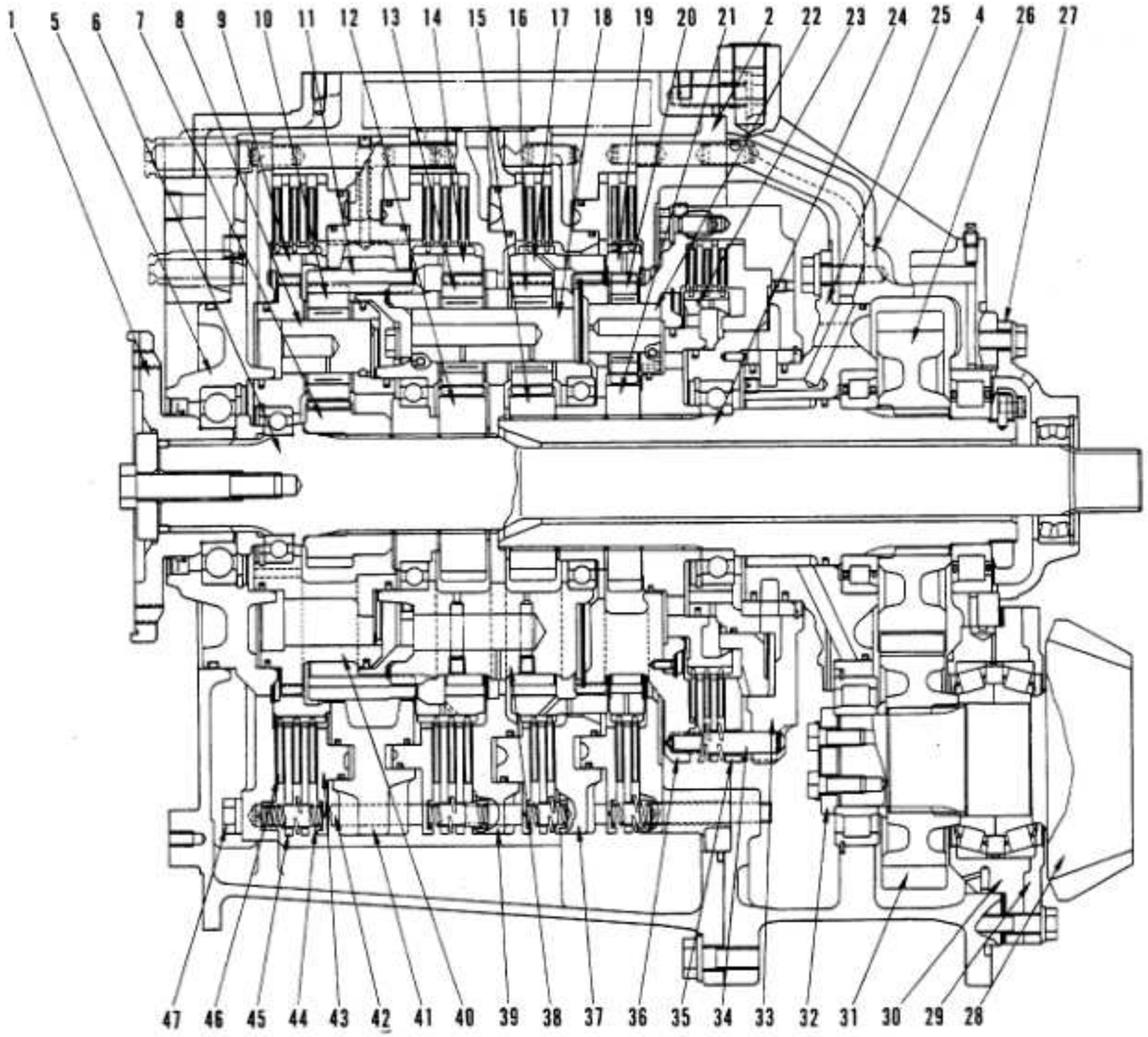
81 STRUCTURE AND FUNCTION 81-1

90 OTHERS

93 DISASSEMBLY AND ASSEMBLY 93-1

015C21

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015C21

1. Input coupling
2. Transmission case
3. Transmission valve
4. Transfer case
5. Front cover
6. Input shaft
7. No. 1 sun gear (37 teeth)
8. Pinion shaft
9. No. 1 ring gear (95 teeth)
10. No. 1 planet gear (27 teeth)
11. No. 1 ring gear (91 teeth)
12. No. 2 sun gear (43 teeth)
13. No. 2 planet gear (26 teeth)
14. No. 2 ring gear (95 teeth)
15. No. 3 sun gear (43 teeth)
16. No. 3 planet gear (26 teeth)
17. No. 3 ring gear (95 teeth)
18. Pinion shaft
19. No. 4 ring gear (95 teeth)
20. No. 4 planet gear (23 teeth)
21. No. 4 sun gear (49 teeth)
22. Pinion shaft
23. No. 5 gear
24. Output shaft
25. Bearing cage
26. Transfer drive gear (32 teeth)
27. Bearing cage
28. Bevel pinion (21 teeth)
29. Cover
30. Bearing cage
31. Transfer drive gear (25 teeth)
32. Retainer
33. No. 5 clutch housing
34. Connecting rod
35. No. 5 clutch piston
36. No. 4 carrier
37. No. 4 clutch housing
38. No. 2, 3 carrier
39. No. 3 clutch housing
40. No. 1 carrier
41. No. 1, 2 clutch housing
42. Connecting rod
43. Clutch piston
44. Clutch spring
45. Clutch plate
46. Clutch disc
47. Tie bolt

Speeds and operating clutches

Speed		Operating clutch
Forward	Neutral	No. 5 clutch
	First speed	No. 2 and No. 5 clutches
	Second speed	No. 2 and No. 4 clutches
	Third speed	No. 2 and No. 3 clutches
Reverse	Neutral	No. 5 clutch
	First speed	No. 1 and No. 5 clutches
	Second speed	No. 1 and No. 4 clutches
	Third speed	No. 1 and No. 3 clutches

Number of discs and plates on each clutch

Clutch No.	Number of discs	Number of plates
No. 1 clutch	3	2
No. 2 clutch	3	2
No. 3 clutch	2	1
No. 4 clutch	2	1
No. 5 clutch	3	2

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