

# SHOP MANUAL

# KOMATSU HD325-5

MACHINE MODEL    SERIAL No.

**HD325-5**                      **2001 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.
- HD325-5 mount the SA6D140-1 engine.  
For details of the engine, see the 6D140-1 Series Engine Shop Manual.

# CONTENTS

	No. of page
<b>10 ENGINE</b>	
12 TESTING AND ADJUSTING .....	12-1
13 DISASSEMBLY AND ASSEMBLY .....	13-1
<b>20 POWER TRAIN</b>	
21 STRUCTURE AND FUNCTION .....	21-1
22 TESTING AND ADJUSTING .....	22-1
23 DISASSEMBLY AND ASSEMBLY .....	23-1
24 MAINTENANCE STANDARD .....	24-1
<b>40 STEERING AND SUSPENSION SYSTEM</b>	
41 STRUCTURE AND FUNCTION .....	41-1
42 TESTING AND ADJUSTING .....	42-1
43 DISASSEMBLY AND ASSEMBLY .....	43-1
44 MAINTENANCE STANDARD .....	44-1
<b>50 AIR SYSTEM</b>	
51 STRUCTURE AND FUNCTION .....	51-1
52 TESTING AND ADJUSTING .....	52-1
53 DISASSEMBLY AND ASSEMBLY .....	53-1
54 MAINTENANCE STANDARD .....	54-1
<b>60 HYDRAULIC SYSTEM</b>	
61 STRUCTURE AND FUNCTION .....	61-1
62 TESTING AND ADJUSTING .....	62-1
63 DISASSEMBLY AND ASSEMBLY .....	63-1
64 MAINTENANCE STANDARD .....	64-1
<b>70 WORK EQUIPMENT</b>	
71 STRUCTURE AND FUNCTION .....	71-1
73 DISASSEMBLY AND ASSEMBLY .....	73-1
74 MAINTENANCE STANDARD .....	74-1
<b>80 ELECTRICAL AND ELECTRONIC SYSTEM</b>	
81 STRUCTURE AND FUNCTION .....	81-1
82 TESTING AND ADJUSTING .....	82-1

The affected pages are indicated by the use of the following marks. It is requested that necessary actions be taken to these pages according to the table below.

Mark	Indication	Action required
○	Page to be newly added	Add
●	Page to be replaced	Replace
( )	Page to be deleted	Discard

Pages having no marks are those previously revised or made additions.

### LIST OF REVISED PAGES

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
●	00-1	⑩		13-4	②		21-5	⑦		21-41	⑥		23-6	②
●	00-2	⑩		13-5	②		21-6	⑦		21-42	⑥		23-7	②
●	00-2-1	⑩		13-6	②		21-7-1	⑦		21-43	⑥		23-8	②
●	00-2-2	⑩		13-7	②		21-7-2	⑦		21-44	④		23-9	②
●	00-2-3	⑩		13-8	②		21-7-3	⑦		21-45	④		23-10	②
●	00-2-4	⑩		13-9	②		21-7-4	⑦		21-46			23-11	②
●	00-3			13-10	②		21-8			21-47			23-12	②
●	00-4			13-11	②		21-9			21-48			23-13	②
●	00-5			13-12	②		21-10	④		21-49			23-14	②
●	00-6			13-13	②		21-11	④		21-50			23-15	②
●	00-7			13-14	②		21-12	④					23-16	②
●	00-8			13-15	②		21-13	④		22-1	⑦		23-17	②
●	00-9			13-16	②		21-14	④		22-2	③		23-18	②
●	00-10			13-17	②		21-15	④		22-3	⑦		23-19	②
●	00-11			13-18	②		21-16			22-4	⑦		23-20	②
●	00-12			13-19	②		21-17			22-5	①		23-21	②
○	00-13			13-20	②		21-18	⑥		22-6	①		23-22	②
○	00-14			13-21	②		21-19			22-6-1	③		23-23	②
○	00-15			13-22	②		21-20			22-6-2	③		23-24	②
○	00-16			13-23	②		21-21			22-6-3	③		23-25	②
○	00-17	⑩		13-24	②		21-22			22-7	③		23-26	②
○	00-18	⑩		13-25	②		21-23			22-8	③		23-27	②
				13-26	②		21-24			22-9	③		23-28	②
	12-1	①		13-27	②		21-25			22-10	③		23-29	②
	12-2	①		13-28	②		21-26			22-11	③		23-30	②
	12-3	①		13-29	②		21-27			22-12	①		23-31	②
	12-4	⑦		13-30	②		21-28			22-13	③		23-32	②
	12-5	①		13-31	②		21-29			22-14	①		23-33	②
	12-6	①		13-32	②		21-30			22-15	⑦		23-34	②
	12-7	①		13-33	②		21-31			22-16	⑦		23-35	②
	12-8	①		13-34	②		21-32			22-17	⑦		23-36	②
	12-9	①		13-35	②		21-33			22-18	⑦		23-37	②
	12-10	①		13-36	②		21-34			22-19	⑨		23-38	②
	12-11	①		13-37	②		21-35						23-39	②
	12-12	①		13-38	②		21-36			23-1	⑤		23-40	②
							21-37	⑥		23-2	②		23-41	②
	13-1	②		21-1	⑦		21-38	⑥		23-3	②		23-42	②
	13-2	②		21-2			21-39	⑥		23-4	②		23-43	②
	13-3	②		21-3			21-40	⑥		23-5	②		23-44	②

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	23-45	②		23-81-8	⑥		24-9	③		43-18	②	○	51-41	⑨
	23-46	②		23-81-9	⑥		24-10	③		43-19	②			
	23-47	②		23-81-10	⑥		24-11						52-1	①
	23-48	②		23-81-11	⑥		24-12			44-1			52-2	①
	23-49	②		23-81-12	⑥		24-13-1	⑥		44-2			52-3	①
	23-50	②		23-81-13	⑥		24-13-2	⑥		44-3			52-4	①
	23-51	②		23-81-14	⑥		24-13-3	⑥						
	23-52	②		23-81-15	⑥		24-14	④		51-1	③		53-1	②
	23-53	②		23-81-16	⑥		24-14-1	④		51-2			53-2	②
	23-54	②		23-81-17	⑥		24-15			51-3			53-3	②
	23-55	②		23-81-18	⑥		24-16			51-4	④		53-4	②
	23-56	②		23-81-19	⑥		24-17			51-4-1	④		53-6	⑤
	23-57	②		23-82	②		24-18			51-4-2	④		53-7	⑤
	23-58	②		23-83	②					51-5	④		53-8	②
	23-59	②		23-84	②		41-1			51-5-2	⑤		53-9	②
	23-60	②		23-85	②		41-2			51-5-4	⑤		53-10	②
	23-61	②		23-86	②		41-3			51-6	③		53-11	②
	23-62	②		23-87	②		41-4			51-7	③		53-12	②
	23-63	②		23-88	②		41-5			51-8	③		53-13	⑤
	23-64	②		23-89	②		41-6			51-9			53-14	⑤
	23-65	②		23-90	②		41-7	④		51-10	④		53-14-2	⑤
	23-66	⑨		23-91	②		41-8			51-11	④		53-14-3	⑤
	23-67	②		23-92	②		41-9	③		51-11-1	④		53-14-4	⑤
	23-68	⑥		23-93	②		41-10	③		51-11-2	④		53-14-5	⑤
	23-69	⑥		23-94	②					51-12	④		53-15	②
	23-70	⑥		23-95	②		42-1	①		51-13	④		53-16	⑤
	23-71	⑥		23-96	②		42-2	⑧		51-14			53-17	⑤
	23-72	⑥		23-97	②		42-3	①		51-15			53-17-1	⑤
	23-73	⑥		23-98	②		42-4	⑧		51-16			53-17-2	⑤
	23-73-1	⑥		23-99	②		42-5	⑧		51-17			53-17-3	⑤
	23-73-2	⑥		23-100	⑤		42-6	①		51-18			53-17-4	⑤
	23-73-3	⑥		23-101	②		42-7	⑧		51-19			53-18	②
	23-73-4	⑥		23-102	②		42-8	⑧		51-20			53-19	②
	23-73-5	⑥		23-103	②					51-21				
	23-73-6	⑥		23-104	⑤		43-1	⑥		51-22			54-1	
	23-73-7	⑥		23-105	⑤		43-1-1	⑥		51-23			54-2	
	23-73-8	⑥		23-106	②		43-1-2	⑥		51-24			54-3	
	23-73-9	⑥		23-107	⑥		43-2	⑥		51-25				
	23-74	⑥		23-108	⑤		43-3	⑥		51-26			61-1	
	23-75	②		23-109	⑤		43-4	⑥		51-27			61-2	
	23-76	②		23-110	⑤		43-5	⑥		51-28			61-3	
	23-77	②		23-111	⑨		43-6	⑥		51-29			61-4	
	23-78	②		23-112	⑨		43-7	⑥		51-30	④		61-5	⑥
	23-79	②		23-113	⑨		43-8	⑥		51-31			61-6	
	23-80	②					43-9	⑥		51-32			61-7	⑥
	23-81	②		24-1			43-10	⑥		51-33			61-8	
	23-81-1	⑥		24-2			43-11	⑥		51-34	④		61-9	
	23-81-2	⑥		24-3	⑦		43-12	②		51-35			61-10	
	23-81-3	⑥		24-4			43-13	②		51-36			61-11	
	23-81-4	⑥		24-5			43-14	②		51-37			61-12	
	23-81-5	⑥		24-6	④		43-15	②		51-38	④		61-13	
	23-81-6	⑥		24-7			43-16	②		○ 51-39	⑨		61-14	
	23-81-7	⑥		24-8			43-17	②		○ 51-40	⑨		61-15	

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	61-16			73-2	②	●	82-12	⑩		82-61	①		82-102	①
	61-17						82-13	⑦		82-62	①		82-103	①
	61-18			74-1			82-14	⑦		82-63	①		82-104	①
	61-19			74-2			82-14-1	⑦		82-64	①		82-105	①
	61-20			74-3		○	82-14-2	⑩		82-65	①		82-106	①
	61-21			74-4		○	82-14-3	⑩		82-66	①		82-107	①
	61-22					○	82-14-4	⑩		82-67	①		82-108	①
	61-23			81-1	③	○	82-14-5	⑩		82-68	①		82-109	①
	61-24			81-2-1	⑨	○	82-14-6	⑩		82-69	①		82-111	①
	61-25			81-3	⑨		82-15	③		82-70	①		82-112	①
				81-3-1	⑦		82-16	①		82-71	①		82-113	③
	62-1	①	●	81-3-3	⑩		82-17	①		82-72	①		82-114	③
	62-2	①		81-3-5			82-18	③		82-74	①		82-115	①
	62-3	①	●	81-3-7	⑩		82-19	③		82-75	①		82-116	①
	62-4	①		81-5			82-20	③		82-76	①		82-117	①
	62-5	①		81-6			82-21	③		82-77	①		82-118	①
	62-6	①		81-7			82-22	③		82-78	①		82-119	①
	62-7	①		81-8			82-23	③		82-79	①		82-120	①
	62-8	①		81-8-1	③		82-24	③		82-80	①		82-121	①
	62-9	①		81-8-2	③		82-25	③		82-81	①		82-122	①
	62-10	④		81-8-3	③		82-26	①		82-82	①		82-124	①
				81-8-4	③		82-27	①		82-83	①		82-125	①
	63-1	②		81-8-5	③		82-28	①		82-84	①		82-126	①
	63-2	②		81-8-6	③		82-29	①		82-85	①		82-127	①
	63-3	②		81-8-7	③		82-30	①		82-86	①		82-128	①
	63-4	②		81-8-8	③		82-31	①		82-87	①		82-129	①
	63-5	②		81-9	③		82-32	①		82-88	①		82-130	①
	63-6	②		81-10			82-33	①		82-88-1	③		82-131	①
	63-7	②		81-11			82-34	①		82-88-3	③		82-132	①
	63-8	②		81-12			82-36	①		82-88-5	③		82-133	①
	63-9	②		81-13			82-37	①		82-88-6	③		82-134	①
	63-10	②		81-14			82-38	①		82-88-7	③		82-135	①
	63-11	②		81-15	④		82-39	①		82-88-8	③		82-136	①
	63-12	②		81-16			82-40	①		82-88-9	③		82-137	①
	63-13	②		81-17			82-41	①		82-88-10	③		82-138	①
	63-14	②		81-18			82-42	①		82-88-11	③		82-139	①
	63-15	②		81-19			82-43	①		82-88-12	③		82-140	①
	63-16	②		81-20	①		82-44	①		82-88-13	③		82-141	①
	63-17	②		81-21	①		82-46	①		82-88-14	③		82-142	①
				81-22	①		82-47	①		82-88-15	③		82-143	①
	64-1						82-48	①		82-89	①		82-144	①
	64-2		●	82-1	⑩		82-49	①		82-90	①		82-145	①
	64-3			82-3	⑦		82-50	①		82-91	①		82-146	①
	64-4	⑥		82-4	①		82-51	①		82-92	①		82-147	①
	64-5			82-5	①		82-52	①		82-93	③		82-148	①
	64-6			82-6	①		82-53	①		82-94	③		82-150	①
	64-7			82-7	①		82-54	①		82-95	①		82-151	①
	64-8			82-8	①		82-55	①		82-96	①		82-152	①
				82-9	①		82-56	①		82-97	①		82-153	①
	71-1			82-10	①		82-57	①		82-98	①		82-154	①
	71-2			82-11	①		82-58	①		82-99	③		82-155	①
				82-11-1	③		82-59	①		82-100	①		82-156	①
	73-1	②	●	82-11-2	⑩		82-60	①		82-101	①		82-157	①

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$