

SHOP MANUAL

KOMATSU

HD465-3

MACHINE MODEL SERIAL No.

HD465-3 **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.
- HD465-3 mount the SA6D170-1 engine;
For details of the engine, see the 6D170-1 Series Engine Shop Manual.

CONTENTS

	No. of page
10 ENGINE	
11 STRUCTURE AND FUNCTION	11-1
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
40 STEERING AND SUSPENSION SYSTEM	
41 STRUCTURE AND FUNCTION	41-1
42 TESTING AND ADJUSTING	42-1
43 DISASSEMBLY AND ASSEMBLY	43-1
44 MAINTENANCE STANDARD	44-1
50 STEERING AND SUSPENSION SYSTEM	
51 STRUCTURE AND FUNCTION	51-1
52 TESTING AND ADJUSTING	52-1
53 DISASSEMBLY AND ASSEMBLY	53-1
54 MAINTENANCE STANDARD	54-1
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 HYDRAULIC SYSTEM	
71 STRUCTURE AND FUNCTION	71-1
73 DISASSEMBLY AND ASSEMBLY	73-1
74 MAINTENANCE STANDARD	74-1
80 ELECTRICAL SYSTEM	
81 STRUCTURE AND FUNCTION	81-1
82 TESTING AND ADJUSTING	82-1
83 DISASSEMBLY AND ASSEMBLY	83-1

Not to be reproduced in whole or in part without the prior written permission of

KOMATSU , Tokyo, Japan.

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	⑧		13-11	②		21-12			21-51			23-9	②
●	00-2	⑧		13-12	②		21-13			21-52			23-10	②
●	00-2-1	⑧		13-13	②		21-14			21-53			23-11	②
●	00-2-2	⑧		13-14	②		21-15	④		21-54			23-12	②
●	00-2-3	⑧		13-15	②		21-16	④		21-55	④		23-13	②
●	00-2-4	⑧		13-16	②		21-17	④		21-55-1	④		23-14	②
	00-3			13-17	②		21-18	④		21-55-2	④		23-15	②
	00-4			13-18	②		21-19	④					23-16	②
	00-5			13-19	②		21-20	④		22-1	③		23-17	②
	00-6			13-20	②		21-22	⑥		22-2	④		23-18	②
	00-7			13-21	②		21-23		●	22-3	⑧		23-19	②
	00-8			13-22	②		21-25			22-4	③		23-20	②
	00-9			13-23	②		21-26			22-5	③		23-21	②
	00-10			13-24	②		21-27			22-5-1	③		23-22	②
				13-25	②		21-28			22-5-2	③		23-23	②
	12-1	①		13-26	②		21-29			22-5-3	③		23-24	②
	12-2	①		13-27	②		21-31			22-6	③		23-25	②
	12-3	①		13-28	②		21-32			22-7	④		23-26	②
	12-4	①		13-29	②		21-33	⑥		22-8	①		23-27	②
	12-5	①		13-30	②		21-34	⑥		22-9	③		23-28	②
	12-6	①		13-31	②		21-35			22-10	③		23-29	②
	12-7	①		13-32	②		21-36			22-11	③		23-30	②
	12-8	①		13-33	②		21-37			22-12	③		23-31	②
	12-9	①		13-34	②		21-38			22-12-1	③		23-32	②
	12-10	①		13-35	②		21-39			22-13	③		23-33	②
	12-11	①		13-36	②		21-40			22-14	③		23-34	②
	12-12	①		13-37	②		21-41			22-15	③		23-35	②
	12-13	①		13-38	②		21-42			22-16	①		23-36	②
							21-43			22-17	①		23-37	②
	13-1	②		21-1	④		21-44			22-18	③		23-38	②
	13-2	②		21-2			21-44-2	④					23-39	②
	13-3	②		21-3			21-45	④		23-1	⑦		23-40	②
	13-4	②		21-4	④		21-45-1	⑦		23-2	②		23-41	②
	13-5	②		21-4-1	④		21-46			23-3	②		23-42	②
	13-6	②		21-5			21-47			23-4	②		23-43	②
	13-7	②		21-6			21-48	④		23-5	②		23-44	②
	13-8	②		21-7			21-49			23-6	②		23-45	②
	13-9	②		21-8	④		21-49-1	④		23-7	②		23-46	②
	13-10	②		21-9	⑦		21-50			23-8	②		23-47	②

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	23-48	②		23-81-9	⑥		24-1			43-11	⑥		51-35	
	23-49	②		23-81-10	⑦		24-2			43-12	②		51-36	
	23-50	②		23-81-11	⑦		24-3			43-13	②		51-37	④
	23-51	②		23-81-12	⑦		24-4			43-14	②		51-38	
	23-52	②		23-81-13	⑦		24-5			43-15	②		51-39	
	23-53	②		23-81-14	⑦		24-6	④		43-16	②		51-40	
	23-54	②		23-81-15	⑦		24-7	⑦		43-17	②			
	23-55	②		23-81-16	⑦		24-8			43-18	②		52-1	①
	23-56	②	●	23-81-17	⑧		24-9	③		43-19	②		52-2	①
	23-57	②	●	23-81-18	⑧		24-10	③		43-20	②		52-3	①
	23-58	②	●	23-81-19	⑧		24-12	④		43-21	②		52-4	①
	23-59	②	○	23-81-20	⑧		24-13	④						
	23-60	②		23-82	②		24-14			44-1			53-1	②
	23-61	②		23-83	②		24-15			44-2			53-2	②
	23-62	②		23-84	②		24-16	④	●	44-3	⑧		53-3	②
	23-63	②		23-85	②		24-17	④					53-4	②
	23-64	②		23-86	②		24-17-1	⑦		51-1	⑦		53-5	②
	23-65	②		23-87	②		24-18	④		51-2			53-6	②
	23-66	②		23-88	②		24-19	④		51-3			53-7	②
	23-67	⑦		23-89	②		24-20			51-4	⑦		53-8	②
	23-68	⑦		23-90	②		24-21			51-5			53-9	②
	23-69	⑦		23-91	②		24-22			51-5-1	⑦		53-10	②
	23-70	⑦		23-92	②		24-23			51-5-2	⑦		53-11	②
	23-71	⑦		23-93	②		24-24			51-5-3	⑦		53-12	②
	23-72	⑦		23-94	②					51-6			53-13	⑤
	23-73	⑦		23-95	②		41-1			51-7	⑦		53-14	②
	23-73-1	⑦		23-96	②		41-2			51-8	⑦		53-15	②
	23-73-2	⑦		23-97	②		41-3			51-9	⑦		53-16	⑤
	23-73-3	⑦		23-98	②		41-4			51-10	⑦		53-17	②
	23-73-4	⑦		23-99	②		41-5			51-11	⑦		53-18	②
	23-73-5	⑦		23-100	②		41-6			51-12	⑦		53-18-2	⑤
	23-73-6	⑦		23-101	②		41-7			51-14			53-18-3	⑤
	23-73-7	⑦		23-102	②					51-15			53-18-4	⑤
	23-73-8	⑦		23-103	②		42-1	①		51-16			53-18-5	⑤
	23-73-9	⑦		23-104	②		42-2	①		51-17	④		53-19	②
	23-74	⑦		23-105	⑤		42-3	①		51-18	④		53-20	⑤
	23-75	②		23-106	⑤	●	42-4	⑧		51-19			53-20-2	⑤
	23-76	②		23-107	②	●	42-5	⑧		51-20			53-20-3	⑤
	23-77	②		23-108	⑤		42-6	①		51-21			53-20-4	⑤
	23-78	②		23-109	②	○	42-7	⑧		51-22	④		53-20-5	⑤
●	23-79	⑧		23-110	⑤					51-23	④		53-21	②
○	23-79-1	⑧		23-111	②		43-1	⑥		51-24			53-22	②
○	23-79-2	⑧		23-112	②		43-1-1	⑥		51-25				
	(23-80)			23-113	⑤		43-1-2	⑥		51-25-1	④		54-1	
	23-81	②		23-114	⑤		43-2	⑥		51-26	④		54-2	
	23-81-1	⑦		23-115	⑤		43-3	⑥		51-27				
	23-81-2	⑥		23-116	⑤		43-4	⑥		51-28			61-1	
	23-81-3	⑥	●	23-117	⑧		43-5	⑥		51-29	④		61-2	
	23-81-4	⑥	●	23-118	⑧		43-6	⑥		51-30			61-3	
	23-81-5	⑥	●	23-119	⑧		43-7	⑥		51-31	④		61-4	
●	23-81-6	⑧		23-120	⑦		43-8	⑥		51-32			61-5	③
●	23-81-7	⑧		23-121	⑦		43-9	⑥		51-33	④		61-6	
	23-81-8	⑥		23-122	⑦		43-10	⑥		51-34			61-7	

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	61-8		64-4			82-1		③	82-58		④	82-99		①
	61-9		64-5			82-3		①	82-59		①	82-100		①
	61-10		64-6		③	82-4		①	82-60		④	82-101		③
	61-11		64-7		③	82-5		①	82-61		①	82-102		①
	61-12		64-8			82-6		④	82-62		④	82-103		①
	61-13		64-9			82-7		①	82-63		①	82-104		①
	61-14					82-8		①	82-64		⑦	82-105		①
	61-15		71-1			82-9		①	82-65		④	82-106		①
	61-16		71-2			82-10		①	82-66		④	82-107		①
	61-17					82-11		①	82-67		④	82-108		①
	61-18		73-1		②	82-12		①	82-68		④	82-109		①
	61-19		73-2		②	82-13		①	82-69		④	82-110		①
	61-20					82-14		③	82-70		①	82-111		①
	61-21		74-1			82-15		③	82-71		①	82-113		①
	61-22		74-2			82-16		①	82-72		④	82-114		①
	61-23		74-3			82-17		①	82-73		①	82-115		③
	61-24		74-4			82-18		③	82-74		④	82-116		③
	61-25					82-19		③	82-76		④	82-117		①
			81-1		③	82-20		③	82-77		①	82-118		①
	62-1	①	81-3		④	82-21		③	82-78		④	82-119		①
	62-2	①	81-3-1		④	82-22		④	82-79		①	82-120		①
	62-3	①	81-3-3		④	82-23		⑦	82-80		④	82-121		①
	62-4	①	81-3-5			82-24		③	82-81		①	82-122		①
	62-5	①	81-3-7		④	82-25		③	82-82		④	82-123		①
	62-6	①	81-3-9		④	82-26		④	82-83		④	82-124		①
	62-7	①	81-3-11		④	82-27		①	82-84		④	82-126		①
	62-8		81-5			82-28		④	82-85		①	82-127		①
			81-6			82-29		④	82-86		④	82-128		①
	63-1	②	81-7			82-30		④	82-87		①	82-129		①
	63-2	②	81-8			82-31		⑦	82-88		④	82-130		①
	63-3	②	81-8-1		③	82-32		④	82-89		①	82-131		①
	63-4	②	81-8-2		③	82-33		④	82-90		①	82-132		①
	63-5	②	81-8-3		③	82-34		①	82-90-1		③	82-133		①
	63-6	②	81-8-4		③	82-36		⑦	82-90-3		③	82-134		①
	63-7	②	81-8-5		③	82-37		④	82-90-5		③	82-135		①
	63-8	②	81-8-6		③	82-38		④	82-90-6		③	82-136		①
	63-9	②	81-8-7		③	82-39		①	82-90-7		③	82-137		①
	63-10	②	81-8-8		③	82-40		④	82-90-8		③	82-138		①
	63-11	②	81-8-9		③	82-41		④	82-90-9		③	82-139		①
	63-12	②	81-9			82-42		④	82-90-10		③	82-140		①
	63-13	②	81-10			82-43		④	82-90-11		③	82-142		①
	63-14	②	81-11			82-44		④	82-90-12		③	82-143		①
	63-15	②	81-12			82-46		⑦	82-90-13		③	82-144		①
	63-16	②	81-13			82-47		⑦	82-90-14		③	82-145		①
	63-17	②	● 81-14		⑧	82-48		④	82-90-15		③	82-146		①
	63-18	②	81-15			82-49		④	82-91		③	82-147		①
	63-19	②	81-16			82-50		①	82-92		①	82-148		①
	63-20	②	81-17			82-51		①	82-93		①	82-149		①
	63-21	②	81-18			82-52		④	82-94		①	● 82-150		⑧
			81-19			82-54		④	82-95		③	82-151		①
	64-1		81-20		①	82-55		①	82-96		③	82-152		①
	64-2		81-21		①	82-56		④	82-97		①	82-153		①
	64-3	③	81-22		①	82-57		④	82-98		①	82-154		①

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

<https://shopservicemanual.com/>

Service Manuals from 2\$