

SHOP MANUAL

KOMATSU

WA400-1

MACHINE MODEL

WA400-1

PDF



DOWNLOAD



WA400-1 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.
- WA400-1 mount the SA6D110-1 engine.
For details of the engine, see the 110 Series Engine Shop Manual.

CONTENTS

No. of page

01 GENERAL	01-1
10 ENGINE	
11 STRUCTURE AND FUNCTION	11-1
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
40 STEERING 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 BRAKE AND AIR 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 WORK EQUIPMENT SYSTEM	
61 STRUCTURE AND FUNCTION	61-1
62 TESTING AND ADJUSTING	62-1
63 DISASSEMBLY AND ASSEMBLY	63-1
64 MAINTENANCE STANDARD	64-1
80 ELECTRIC AND ELECTRONIC SYSTEM	
81 STRUCTURE AND FUNCTION	81-1
82 TESTING AND ADJUSTING	82-1
83 DISASSEMBLY AND ASSEMBLY	83-1
90 OTHERS	
91 STRUCTURE AND FUNCTION	91-1
93 DISASSEMBLY AND ASSEMBLY	93-1
97 GEAR PUMP	97-1

The affected pages are indicated by the use of the following marks. It is requested that necessary actions must be taken to these pages according to the list 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 not revised at this time.

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	⑥		12-11	①		13-39	②		21-26			22-16	①
	00- 2	②		12-12	①		13-40	②		21-27			22-17	④
●	00- 2-1	⑥		12-13	①		13-41	②		21-28	③		22-18	④
●	00- 2-2	⑥		12-14	③		13-42	②		21-29	③		22-19	①
●	00- 2-3	⑥		13- 1	②		13-43	②		21-30			22-20	①
●	00- 2-4	⑥		13- 2	②		13-44	②		21-31			22-21	①
●	00- 3			13- 3	②		13-45	②		21-32			22-22	①
●	00- 4			13- 4	②		13-46	②		21-33			23- 1	②
●	00- 5			13- 5	②		13-47	②		21-34			23- 2	②
●	00- 6			13- 6	②		13-48	②		21-35			23- 3	②
●	00- 7			13- 8	②		13-49	②		21-36			23- 4	②
●	00- 8			13- 9	②		13-50	②		21-37			23- 5	②
●	00- 9			13-10	②		13-51			21-38			23- 6	②
●	00-10			13-11	②		13-52			21-39			23- 7	②
	01- 1	②		13-12	②		13-53			21-40			23- 8	②
	01- 2			13-13	②		21- 1	②		21-41	③		23- 9	④
	01- 3			13-14	②		21- 2	④		21-42			23-10	②
	01- 4			13-16	②		21- 3			21-43	④		23-11	②
	01- 5			13-17	②		21- 4			21-44			23-12	②
	01- 6			13-18	②		21- 5	③		21-45	③		23-13	②
	01- 7			13-19	②		21- 6			21-46	③		23-14	③
	01- 8	②		13-20	②		21- 7			21-47			23-15	②
	01- 9			13-21	②		21- 8			21-48			23-16	②
	01-10	④		13-22	②		21- 9			21-49			23-17	③
	01-11	②		13-23	②		21-10			22- 1	③		23-18	②
	11- 1			13-24	②		21-11			22- 2	①		23-19	②
	11- 2			13-25	②		21-12			22- 3	④		23-20	②
	11- 3			13-26	②		21-13			22- 4	③		23-21	②
	11- 4			13-27	②		21-14			22- 5	①		23-22	②
	11- 5			13-28	②		21-15			22- 6	④		23-23	②
	12- 1	③		13-29	②		21-16			22- 7	④		23-24	②
	12- 2	①		13-30	②		21-17	③		22- 8	④		23-25	②
	12- 3	④		13-31	②		21-18	③		22- 8-1	③		23-26	②
	12- 4	①		13-32	②		21-19	③		22- 8-2	③		23-27	②
	12- 5	④		13-33	②		21-20	③		22- 9	④		23-28	②
	12- 6	④		13-34	②		21-21	③		22-11	①		23-29	②
	12- 7	③		13-35	②		21-22	④		22-12	①		23-30	②
	12- 8	①		13-36	②		21-23	②		22-13	①		23-31	②
	12- 9	①		13-37	②		21-24	④		22-14	①		23-32	②
	12-10	①		13-38	②		21-25	④		22-15	④		23-33	②

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
23-34		②	23- 91		②	41- 5		⑤	43-24		②	52- 5		①
23-35		②	23- 92		④	41- 6		③	43-25		④	52- 6		④
23-36		②	23- 93		⑤	41- 7		③	43-26		②	52- 7		④
23-37		②	23- 94		⑤	41- 8		③	43-27		②	52- 8		③
23-38		②	23- 95		⑤	41- 9		③	43-28		②	52- 9		①
23-39		②	23- 96		⑤	41-10			43-29		②	52-10		④
23-40		②	23- 97		②	41-11		③	43-30		②	52-11		①
23-41		②	23- 98	●	⑥	41-12		③	43-31		②	52-12		①
23-42		②	23- 99		②	41-13		③	43-32		②	52-13		③
23-43		②	23-100		②	41-14		③	43-33		④	52-14		①
23-44		②	23-101		③	41-15		②	43-34		②	52-15		①
23-45		②	23-102		④	41-16			43-35		④	52-16		①
23-46		②	23-103		②	41-17		④	43-36		④	52-17		①
23-48		②	23-104		②	41-18		④	43-37		②	52-18		③
23-49		②	23-105		②	41-19		④	43-38		②	52-19		①
23-50		②	23-106		②	41-20		④	44- 1		④	52-20		①
23-51		②	23-107		②	41-21		④	44- 2		④	53- 1		②
23-52		②	23-108		④	41-22		④	44- 3		③	53- 2		③
23-53		②	23-109		④	41-23		④	44- 4		③	53- 3		③
23-54		②	23-110		②	41-24		④	44- 5			53- 4		②
23-55		②	23-111		②	41-25		④	44- 6		④	53- 5		②
23-56		②	23-112		②	42- 1		①	44- 7		③	53- 6		②
23-57		②	23-113		②	42- 2		①	44- 8		③	53- 7		②
23-58		②	23-114		②	42- 3		①	44- 9		③	53- 8		②
23-59		②	23-115		②	42- 4		①	44-10		④	53- 9		②
23-60		②	23-116		②	42- 5		④	44-11	●	⑥	53-10		④
23-61		②	23-117		②	42- 6		④	44-12		④	53-11		②
23-62		②	23-118		②	42- 7		④	44-13		④	53-12		④
23-63		②	23-119		②	42- 8		①	51- 1			53-13		②
23-64		②	23-120		②	42- 9		①	51- 2		③	53-14		②
23-65		②	23-121		④	42-10		①	51- 3			53-15		②
23-66		②	24- 1			42-11		①	51- 5			53-16		②
23-67		②	24- 2		③	42-12		④	51- 6			53-17		②
23-68		②	24- 3			43- 1		②	51- 7		③	53-18		②
23-69		②	24- 4			43- 2		②	51- 8		③	53-19		②
23-70		②	24- 5			43- 3		④	51- 9		③	53-20		④
23-71		②	24- 6			43- 4		④	51-10		③	53-21		②
23-72		②	24- 7			43- 5		④	51-11		③	53-22		②
23-74		②	24- 8			43- 6		②	51-12			53-23		④
23-75		②	24- 9			43- 7		②	51-13		③	53-24		②
23-76		②	24-10			43- 8		②	51-14			53-25		②
23-77		②	24-11			43- 9		②	51-15			53-26		②
23-78		②	24-12		②	43-10		②	51-16	●	⑥	53-27		②
23-79		②	24-14		③	43-11		②	51-17	●	⑥	53-28		②
23-80		②	24-15		③	43-12		②	51-18		③	53-29		②
23-81		②	24-16		④	43-13		②	51-19		④	53-30		②
23-82		②	24-17		④	43-14		②	51-20			53-31	●	⑥
23-83		②	24-18		④	43-15		④	51-21		③	53-32		②
23-84		②	24-19			43-16		②	51-22		③	53-33		②
23-85		④	24-20			43-17		②	51-23			53-34		②
23-86		②	24-21		⑤	43-18		②	51-24		③	53-35		④
23-87		②	41- 1		④	43-19		②	52- 1		①	53-36		④
23-88		②	41- 2			43-20		②	52- 2		④	53-37		②
23-89		②	41- 3		③	43-22		②	52- 3		①	53-38		②
23-90		②	41- 4		③	43-23		②	52- 4		①	53-39		②

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
	53-40	②		62-10	④		64- 6	②		82-14	④		82- 74	①
	53-41	②		62-11	④		64- 7	②		82-15	①		82- 75	①
	53-42	③		62-13	①		64- 8	③		82-16	①		82- 76	①
	53-43	②		62-14	③		64- 9	②		82-17	④		82- 77	①
	53-44	④		62-15	③		64-10	②		82-18	⑤		82- 78	①
	53-45	②		62-16	③		81- 1			82-19	⑤		82- 79	①
	53-46	②		62-17	③		81- 2			82-20	⑤		82- 80	①
	53-47	②		62-18	③		81- 3			82-21	④		82- 81	①
	53-48	②		62-19	④		81- 5	④		82-23	⑤		82- 82	①
	54- 1			62-20	①		81- 6	②		82-24	⑤		82- 83	①
	54- 2			63- 1	②		81- 7			82-25	①		82- 84	①
	54- 3			63- 2	②		81- 8			82-26	①		82- 85	①
	54- 4			63- 3	②		81- 9	④		82-27	⑤		82- 86	①
	54- 5	③		63- 4	②		81-10	④		82-28	⑤		82- 87	①
	54- 6	③		63- 5	②		81-11			82-29	⑤		82- 88	①
	54- 7	③		63- 6	②		81-12			82-30	④		82- 89	①
	54- 8			63- 7	②		81-13	③		82-32	⑤		82- 90	①
	54- 9	④		63- 8	②		81-14	③		82-33	⑤		82- 91	①
	61- 1			63- 9	②		81-15	③		82-34	④		82- 92	①
	61- 2			63-10	②		81-16	③		82-36	⑤		82- 93	④
	61- 3			63-11	②		81-17	③		82-37	④		82- 94	①
	61- 4	③		63-12	②		81-18			82-38	⑤		82- 95	①
	61- 5	③		63-13	②		81-19	③		82-39	⑤		82- 96	①
	61- 5-1	③		63-14	④		81-20	③		82-40	④		82- 97	④
	61- 6			63-15	②		81-21	③		82-41	④		82- 98	①
	61- 7			63-16	②		81-22	③		82-42	⑤		82- 99	④
	61- 8			63-17	②		81-23	③		82-43	④		82-100	①
	61- 9			63-18	②		81-24	③		82-44	④		82-102	①
	61-10			63-19	②		81-25	③		82-45	④		82-103	①
	61-11			63-20	②		81-26	③		82-46	⑤		82-104	①
	61-12			63-21	②		81-27			82-47	④		82-105	①
	61-14	④		63-22	②		81-28			82-48	⑤		82-106	①
	61-15			63-23	②		81-29			82-49	①		82-107	①
	61-15-1	④		63-24	②		81-30			82-50	①		82-108	①
	61-15-2	④		63-25	④		81-31	⑥		82-51	①		82-109	①
	61-16	②		63-26	④		81-32			82-52	④		82-110	①
	61-17			63-27	②		81-33			82-54	⑤		82-111	①
	61-18	②		63-28	②		81-34			82-55	①		82-112	①
	61-19			63-29	②		81-35			82-56	①		82-113	①
	61-20	②		63-30	②		81-36			82-57	④		82-114	①
	61-21			63-31	②		81-37	③		82-59	①		82-115	①
	61-22			63-32	④		81-38	④		82-60	①		83- 1	②
	61-23			63-33	②		81-39	④		82-61	①		83- 2	②
	61-24			63-34	②		81-40	③		82-62	①		91- 1	④
	61-25	②		63-35	④		81-41	③		82-63	①		91- 2	
	61-26	②		63-36	②		82- 1	①		82-64	①		91- 3	④
	62- 1	①		63-37	②		82- 2	③		82-65	①		91- 4	④
	62- 2	①		63-38	②		82- 5	①		82-66	①		91- 5	
	62- 3	①		64- 1			82- 6	①		82-67	①		91- 6	
	62- 4	①		64- 2	④		82- 8	①		82-68	①		91- 7	
	62- 5	①		64- 3			82- 9	①		82-69	①		93- 1	②
	62- 6	①		64- 3-1	④		82-10	①		82-70	①		93- 2	②
	62- 7	①		64- 3-2	④		82-11	①		82-71	④		93- 3	④
	62- 8	①		64- 4			82-12	①		82-72	①		93- 4	②
	62- 9	④		64- 5			82-13	①		82-73	①		93- 5	②



Thank you very much
for your reading.
Please click here
to get more information.