

SHOP

MANUAL

KOMATSU

PC650-3

PC650LC-3

PC650SE-3

MACHINE MODEL SERIAL No.

PC650-3 **10501 and up**

PC650LC-3 **10501 and up**

PC650SE-3 **10501 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.
- PC650-3, PC650LC-3 and PC650SE-3 mount the SA6D140-1 engine. For details of the engine, see the 140 Series Engine Shop Manual.

CONTENTS

	No. of page
10 ENGINE	
11 STRUCTURE AND FUNCTION	11-1
12 TESTING AND ADJUSTING	12-1
13 DISASSEMBLY AND ASSEMBLY	13-1
14 MAINTENANCE STANDARD	14-1
20 POWER TRAIN	
21 STRUCTURE AND FUNCTION	21-1
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
50 AIR SYSTEM	
51 STRUCTURE AND FUNCTION	51-1
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
80 ELECTRIC AND ELECTRONIC SYSTEM	
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	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision
●	00- 1	⑦		11- 1			12-12	②		13-26	①		21-13	
	00- 2	②		11- 2						13-27	①		21-14	⑤
●	00- 2-1	⑦		11- 3	②					13-28	①		21-15	⑤
●	00- 2-2	⑦		11- 4			13- 1	①		13-29	①		21-16	⑤
●	00- 2-3	⑦		11- 5			13- 2	①		13-30	⑥		21-17	⑤
●	00- 2-4	⑦		11- 6			13- 3	①		13-31	①		21-18	⑤
●	00- 2-5	⑦		11- 7	②		13- 4	①		13-32	①		21-19	⑤
●	00- 3			11- 8	②		13- 5	①		13-33	①		21-20	⑤
●	00- 4			11- 9			13- 6	①					21-21	⑤
●	00- 5			11-10			13- 7	①		14- 1			21-21-1	⑤
●	00- 6			11-11			13- 8	①		14- 2	②		21-21-2	⑤
●	00- 7			11-12			13- 9	①					21-21-3	⑤
●	00- 8			11-13			13-10	①					21-21-4	⑤
●	00- 9			11-14			13-11	①		21- 1			21-21-5	⑤
●	00-10			11-15			13-12	①		21- 2	⑤		21-21-6	⑤
●	00-11						13-13	①		21- 3	⑤		21-21-7	⑤
●	00-12						13-14	①		21- 4	⑤		21-21-8	⑤
●	00-13			12- 1	②		13-15	①		21- 5	⑤		21-22	⑤
●	00-14			12- 2	⑥		13-16	①		21- 5-1	⑤		21-23	⑤
●	00-15			12- 3	②		13-17	①		21- 5-2	⑤		21-24	⑤
○	00-16			12- 4	②		13-18	①		21- 5-3	⑤		21-25	⑤
○	00-17	⑦		12- 5	②		13-19	①		21- 5-4	⑤		21-26	⑤
○	00-18	⑦		12- 6	②		13-20	①		21- 7			21-26-1	⑤
○	00-19	⑦		12- 7	②		13-21	①		21- 8			21-27	
○	00-20	⑦		12- 8	②		13-22	①		21- 9			21-28	
○	00-21	⑦		12- 9	②		13-23	①		21-10			21-29	
				12-10	②		13-24	①		21-11			21-31	
				12-11	④		13-25	①		21-12			21-32	

Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision
	21-33			23-14	⑤		23-25	⑤		23-51	①		24- 7	
	21-34			23-15	⑤		23-25-1	⑤		23-52	①		24- 8	⑤
	21-35			23-16	⑤		23-25-2	⑤		23-53	①		24- 9	⑤
	21-36			23-17	⑤		23-26	⑤		23-54	①		24- 9-1	⑤
	21-37			23-18	⑤		23-27	⑤		23-55	①		24- 9-2	⑤
	21-38			23-19	⑤		23-28	⑤		23-56	①		24-10	
	21-39			23-20	⑤		23-29	⑤		23-57	①		24-11	
	21-40			23-21	⑤		23-30	⑤		23-58	①		24-12	
	21-41			23-22	⑤		23-31	⑤		23-59	①		24-13	
	21-42			23-23	⑤		23-32	⑤		23-60	①		24-14	
	21-43		○	23-23-1	⑦		23-33	⑤		23-61	①		24-15	
	21-44	④	○	23-23-2	⑦		23-34	⑤		23-62	①		24-16	
	21-45		○	23-23-3	⑦		23-35	⑤		23-63	①		24-17	
	21-46		○	23-23-4	⑦		23-36	⑤		23-64	①		24-18	
	21-47		○	23-23-5	⑦		23-37	⑤		23-65	①			
	21-48	②	○	23-23-6	⑦		23-37- 1	⑤		23-66	①			
	21-49		○	23-23-7	⑦		23-37- 2	⑤		23-67	①		31- 1	
	21-50		○	23-23-8	⑦		23-37- 3	⑤		23-68	①		31- 2	
	21-51		○	23-23-9	⑦		23-37- 4	⑤		23-69	①		31- 3	
	21-52		○	23-23-10	⑦		23-37- 5	⑤		23-70	①		31- 4	
	21-53		○	23-23-11	⑦		23-37- 6	⑤		23-71	①		31- 5	
	21-54		○	23-23-12	⑦		23-37- 7	⑤	●	23-72	⑦		31- 6	②
	21-55		○	23-23-13	⑦		23-37- 8	⑤	●	23-73	⑦		31- 6-1	②
			○	23-23-14	⑦		23-37- 9	⑤		23-74	①		31- 7	
			○	23-23-15	⑦		23-37-10	⑤		23-75	①		31- 8	
	23- 1	⑤	○	23-23-16	⑦		23-37-11	⑤		23-76	①		31- 9	
	23- 2	①	○	23-23-17	⑦		23-37-12	⑤		23-77	①		31-10	④
	23- 3	①	○	23-23-18	⑦		23-38	①		23-78	①		31-11	⑥
	23- 4	①	○	23-23-19	⑦		23-39	①		23-79	①			
	23- 5	①	○	23-23-20	⑦		23-40	①		23-80	①			
	23- 6	⑤	○	23-23-21	⑦		23-41	①		23-81	①		33- 1	①
	23- 7	⑤	○	23-23-22	⑦		23-42	①		23-82	①		33- 2	①
	23- 7-1	⑤	○	23-23-23	⑦		23-43	①		23-83	①		33- 3	①
	23- 7-2	⑤	○	23-23-24	⑦		23-44	①					33- 4	①
	23- 8	⑤	○	23-23-25	⑦		23-45	①					33- 5	①
	23- 9	⑤	○	23-23-26	⑦		23-46	①		24- 1			33- 6	①
	23-10	⑤	○	23-23-27	⑦		23-47	①		24- 2			33- 7	①
	23-11	⑤	○	23-23-28	⑦		23-48	①		24- 3			33- 8	①
	23-12	⑤	○	23-23-29	⑦		23-49	①		24- 4			33- 9	①
	23-13	⑤		23-24	⑤		23-50	①		24- 6				

Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision	Mark	Page	Time of revision
	34- 1			61-11- 7	②	•	61-39	⑦		61-82	②		62-29	②
	34- 2			61-11- 8	②		61-40			61-83	②		62-30	②
	34- 3	⑥		61-11- 9	②		61-41	②		61-84	②		62-31	②
	34- 3-1	⑥		61-11-10	②		61-42			61-85	②		62-32	②
	34- 4			61-11-12	②		61-43			61-86	②		63-33	②
	34- 5			61-11-13	②		61-44						62-34	②
	34- 6			61-11-14	②		61-45						62-35	②
	34- 7			61-11-16	②		61-46						62-36	②
	34- 8			61-11-17	②		61-47			62- 1	②		62-37	②
				61-11-18	②		61-48	②	•	62- 2	⑦		62-38	②
				61-11-19	②		61-49	②		62- 3	②		62-39	②
	51- 1			61-11-20	②		61-50	②		62- 4	②		62-40	②
	51- 2			61-12	②		61-51	②		62- 5	④		62-40-1	④
	51- 3	②		61-13			61-52	②		62- 6	②		62-40-2	④
	51- 4			61-14			61-53	②	•	62- 7	⑦		62-40-3	④
	51- 5			61-15			61-54	②		62- 8	②		62-40-4	③
	51- 6			61-16			61-56			62- 9	②		62-40-5	③
				61-17			61-57			62-10	②		62-40-6	④
				61-18			61-58			62-11	②		62-41	③
	61- 1	5		61-19			61-59			62-12	②		62-42	④
	61- 2	5		61-20			61-60			62-13	②		62-43	④
	61- 3	5		61-21			61-61			62-14	②		62-44	④
	61- 3-1	5		61-22			61-62		•	62-15	⑦		62-44-1	④
	61- 3-2	5		61-23			61-64			62-16	④		62-45	④
	61- 4	5		61-24			61-65			62-17	④		62-47	④
	61- 4-1	5		61-25			61-66			62-18	②		62-48	④
	61- 4-2	5		61-26			61-67		•	62-19	⑦		62-49	④
	61- 4-3	5		61-27			61-68			62-20	④		62-50	④
	61- 5			61-28			61-69			62-20-1	③		62-51	④
	61- 6			61-29			61-70			62-20-2	③		62-52	④
	61- 7			61-30			61-71			62-20-3	③		62-52-1	④
	61- 8			61-31			61-72			62-20-4	③		62-52-2	④
	61- 9			61-32			61-74			62-21	②		62-52-3	④
	61-10	②		61-33			61-75			62-22	②		62-53	②
	61-11			61-34			61-76			62-23	②		62-54	②
	61-11- 2	②		61-35		•	61-77	⑦		62-24	②		62-55	②
	61-11- 3	②		61-36	②		61-78			62-25	②		62-56	②
	61-11- 4	②		61-36-1	②		61-79	⑥		62-26	②		62-58	②
	61-11- 5	②		61-37	②		61-80	②		62-27	②		62-59	②
	61-11- 6	②		61-38			61-81	②		62-28	②		62-60	②

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

<https://shopservicemanual.com/>

Service Manuals from 2\$