Shop Manual

PC200, 200LC-2 PC220, 200LC-2 HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC200, 200LC-2 15001 and up PC220, 220LC-2 11001 and up

This material is proprietary to Komatsu America Corp. and is not to be reproduced, used, or disclosed except in accordance with written authorization from Komatsu America Corp.

It is our policy to improve our products whenever it is possible and practical to do so. We reserve the right to make changes or improvements at any time without incurring any obligation to install such changes on products sold previously.

Due to this continuous program of research and development, revisions may be made to this publication. It is recommended that customers contact their distributor for information on the latest revision.

Copyright 2011 Komatsu Printed in U.S.A. Komatsu America Corp.

CONTENTS

01	GENERAL	 01-1
10	ENGINE	

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

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 ASSEMLBY	33-1
34	MAINTENANCE STANDARD	34-1

60 HYDRAULIC SYSTEM

61	STRUCTURE AND FUNCTION	61-1
	TESTING AND ADJUSTING	
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

90 OTHERS

90	ELECTRICAL SYSTEM	90-1
93	DISASSEMBLY AND ASSEMBLY	93-1

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
0	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.

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	4		01-18	2		13-9	2		13-40	2		21- 9	
•	00-2	4		01-19	3		13-10	2		13-41	2		21-10	
•	00-3	4		01-20	2		13-11	2		13-42	2		21-11	
•	00- 3-1	4		01-21	2		13-12	2		13-43	2			
•	00- 3-2	2 ④		01-22	2		13-13	\odot		13-44				
	00-4			01-23	2		13-14	\bigcirc		13-45	\bigcirc		23- 1	2
	00-5			01-24	2		13-15	\odot		13-46	\odot		23- 3	3
	00-6			01-25	2		13-16	\odot		13-47	2		23- 4	\bigcirc
	00- 7			01-26	2		13-17	$\widehat{\mathbb{T}}$		13-48	\bigcirc		23- 5	
	00-8	3		01-27	2		13-18	2		13-49			23- 6	3
	00-9			01-28	2		13-19	<u> </u>		13-50			23-7	2
	00-10			01-29	2		13-20	\bigcirc		13-51	2		23-8	\bigcirc
	00-11			01-30	2		13-21	\odot		13-52	\bigcirc		23-9	3
							13-22	\odot		13-53	\bigcirc		23-10	\bigcirc
	01- 1	2		12- 1	2		13-23	\bigcirc		13-54	\bigcirc		23-11	\bigcirc
	01- 3	2		12-3	\bigcirc		13-24	\odot		13-55	\bigcirc		23-12	3
	01- 4	2		12-4	3		13-26	2		13-56	2		23-13	\bigcirc
	01- 5	2		12-5	\bigcirc		13-27	\bigcirc		13-57	\odot		23-14	\bigcirc
	01- 6	2		12-6	\bigcirc		13-28	3		13-58	\odot		23-15	3
	01-7	2		12-7	\bigcirc		13-29	\bigcirc		13-59	÷.		23-16	\bigcirc
•	01-8	4		12-8	\bigcirc		13-30	\bigcirc		13-60			23-18	2
•	01- 9	4		12-9	\bigcirc		13-31	\bigcirc		13-61	\bigcirc		23-19	2
•	01-10	4					13-32	2					23-20	2
٠	01-11	4		13- 1	2		13-33	\odot		21- 1	2		23-21	2
•	01-12	4		13-3	3		13-34	\bigcirc		21- 3	3		23-22	2
٠	01-13	4		13-4	2		13-35	\bigcirc		21- 4	<u>(3</u>)		23-23	2
٠	01-14	4		13-5	\bigcirc		13-36	\oplus		21- 5	3		23-24	2
٠	01-15	4		13-6	\bigcirc		13-37			21- 6	3		23-25	2
	01-16	2		13-7	\bigcirc		13-38	\odot		21-7			23-26	2
	01-17	3		13-8	0		13-39	2		21-8			23-27	2

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
	23-28	2		33-8	2		61-20			61-60	2		61-99	3
	23-29	2		33- 10			61-21	3		61-61	2		61-100	2
	23-30	2		33- 11	\bigcirc		61-22			61-62	2		61-101	3
	(23-31)						61-23			61-63	2		62-1	2
	23-32	2		34- 1	2	•	61-24	4		61-64	2		62-3	3
	23-33	2		34-2		•	61-25	4		61-65	2		62-4	2
	23-34	$\widehat{2}$		34-3	2		61-26			61-65-1			62-5	2
	23-35	2		34-4	3		61-27			61-65-2			62-6	2
	23-36	2		34-5	3		61-28			61-66	2		62-7	3
	23-37	2		34-6	3		61-29			61-67	2		62-8	3
	23-38	2		34-7	3		61-30			61-68	2		62-9	3
	23-39	2		34-8	2		61-31			61-69	2		62-10	3
	23-40	2		34-9	2		61-32			61-70	2		62-11	3
	23-41	2		34-10	2	•	61-33	4		61-71	2		62-12	3
	23-42	2	•	34-11	4		61-34			61-72	2		62-13	3
	23-43	2		34-12	2		61-35			61-73	2		62-14	3
	23-44	2		34-13	2	1	61-36			61-74	2		62-15	3
							61-37			61-75	2		62-16	3
	24- 1	2		61-1	2		61-38			61-75-2	2		62-17	3
	24-2		•	61-3	4		61-39			61-75-3	3		62-18	3
	24-3			61-4	2		61-40	3		61-75-4	. 3		62-19	3
	24-4	2		61-5	2		61-41			61-76	2		62-20	3
•	24-5	4	•	61-6	4		61-42	3		61-77	2		62-21	3
	24-6			61-7	(2)	1	61-43			61-78	2		62-22	2
	24-7	2		61-7-	1 ②		61-44			61-79	2		62-23	2
				61-7-	22		61-45			61-80	2		63- 1	2
	31-1	2		61-8	2		61-46			61-81	2	•	63- 3	4
	31-3	2		61-9		ĺ	61-47			61-82	2		63-4	2
	31-4			61-10	2	•	61-48	4		61-83	2		63- 5	\bigcirc
	31-5			61-11	2		61-49			61-84	2		63-6	\bigcirc
	31-6	2		<u>61-11-</u>	1 2		61-50	3		61-85	2		63-7	\bigcirc
	31-7	2		61-11-	2 ②		61-51			61-86	2		63- 7-1	2
	31-8	2		61-12	3		61-52	$\hat{\mathbb{Z}}$		61-87	2		63- 7-2	2
	31-9	2		61-13	3		61-53	2		61-88	2		63- 7-3	2
	31-10	2		61-14	3		61-53-1			61-89	2		63- 7-4	. 2
	31-11	2	1	61-15	3		61-53-2			61-90	3		63-8	\bigcirc
	31-12	2	•	61-16	4		61-53-3			61-91	3		63-9	\bigcirc
				61-17	3		61-53-4			61-92	3		63-10	\bigcirc
	33- 1	2	•	61-18	4		61-54	2		61-93	3		63-11	\bigcirc
	33- 3	3		61-19	3		61-55			61-94	3	•	63-12	4
	33-4	Û		61-19-		•	61-56	4		61-95	3	•	63-13	4
	33-5	õ		61-19-			61-57			61-96	2		63-14	
	33-6	Ō		61-19-			61-58			61-97	3	•	63-15	4
	33-7	2		61-19-			61-59			61-98	2		63-16	\odot

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
	63-17	0		63-52	1		63-78	0		71-4				
	63-18	4		63-53	3		63-79	\bigcirc		71-5				
	63-19	\bigcirc		63-54	\bigcirc		63-80	\bigcirc		71-6				
•	63-20	4		63-55			63-81	3		71-7				
	63-21	<u></u>		63-56	\bigcirc		63-82	\bigcirc		71-8	3			
٠	63-22	4		63-57			63-84							
	63-23	\bigcirc		63-58	\bigcirc		63-85			73-1	2			
	63-24	\bigcirc		63-59	3					73-3	3			
	63-25	\bigcirc		63-60	\bigcirc		64- 1	2		73-4	1			
	63-26	\bigcirc		63-61	\bigcirc		64-2			73-5	1			
	63-27	\bigcirc	0	63-61-	1 ④		64-3	2		3 3-6	\bigcirc			
	63-28	\bigcirc	0	63-61-	2 ④		64-4	2		73-7	0			
	63-29	\bigcirc	0	63-61-	3 ④		64-6	2		73-8	0			
	63-29-1	2	0	63-61-	4 ④		64-7	2		73-9	1			
	63-29-2	2	0	63-61-	5 ④		64-8	2		73-10	0			
	63-29-3	2	0	63-61-	6 ④		64-9	2		73-11	0			
	63-29-4	2	0	63-61-	7 ④		64-10	2		73-12	1			
	63-30	3	0	63-61-	9 ④		64-11	2						
	63-31	3	0	63-61-	10 ④		64-12	2		74-1	2			
	63-32	\bigcirc	0	63-61-	11 ④		64-13	2		74-2				
	63-34	3	0	63-61-	12 ④		64-14	2		74-3				
	63-35	3	0	63-61-	13 ④		64-15	2		74-4	2			
	63-37	\bigcirc	0	63-61-	14 ④		64-16	2		74-5	2			
	63-38	\bigcirc	0	63-61-	15 ④		64-17	2		74-6	2			
	63-39	\bigcirc		63-62	3		64-18	2		74-7	2			
	63-40	\bigcirc		63-63	3		64-19	2						
	63-41	2		63-64			64-20	2		90-1	2			
	63-42	3		63-65			64-21	2		90-3				
	63-43	3		63-66	\bigcirc		64-22	2		90-4				
	63-43-1	2		63-67	\bigcirc		64-23	2		90-5				
	63-43-2	2		63-68			64-24	2		90-6	2			
	63-44	3		63-69			64-25	2		90-7				
	63-45	3		63-70	\bigcirc		64-26	2		90-8	3			
	63-46	3		63-71	\bigcirc		64-27	2		. 90- 9	3			
	63-46-1	2		63-72	3		64-28	2						
	63-47	3		63-73	\bigcirc		64-29	2		93-1	2			
	63-48	3		63-74	0		64-30	Õ		93-3	0			
	63-49	1		63-75	0					93-4	0			
	63-50	1		63-76	0		71-1	2		93- 5	0			
	63-51	1		63-77	0		71-3							

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

https://shopservicemanual.com/

Service Manuals from 2\$