

SHOP
MANUAL

KOMATSU
8V170-1
SERIES ENGINE

CONTENTS

	No. of page
01 GENERAL	01-1
11 STRUCTURE AND FUNCTION	11-1
12 TESTING AND ADJUSTING	12-1
13 DISASSEMBLY AND ASSEMBLY	13-1
14 MAINTENANCE STANDARD	14-1
15 REPAIR AND REPLACEMENT OF PARTS	15-1

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

617001



Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
○	13-42-9	④		13-95	③		15-5	③						
	13-43	③		13-96	③	●	15-6	④						
	13-44	③		13-97	③		15-7	③						
●	13-45	④		13-98	③		15-8	③						
●	13-46	④		13-99	③	●	15-9	④						
	13-47	③		13-100	③		15-10	③						
	13-48	③		13-101	③		15-11	③						
	13-49	③		13-102	③		15-12	③						
	13-50	③		13-103	③		15-13	③						
	13-51	③		13-104	③		15-14	③						
	13-52	③		13-105	③		15-15	③						
	13-53	③		13-106	③		15-16	③						
	13-54	③		13-107	③		15-17	③						
	13-55	③		13-108	③		15-18	③						
	13-56	③		13-109	③		15-19	③						
	13-57	③		13-110	③		15-20	③						
	13-58	③		13-111	③		15-21	③						
	13-59	③		13-112	③		15-22	③						
	13-60	③		13-113	③		15-23	③						
	13-61	③		13-114	③		15-24	③						
●	13-62	④		13-115	③		15-25	③						
	13-63	③		13-116	③		15-26	③						
	13-64	③		13-117	③		15-27	③						
	13-65	③		13-118	③		15-28	③						
●	13-66	④		13-119	③		15-29	③						
	13-67	③		13-120	③		15-30	③						
	13-68	③					15-31	③						
	13-69	③		14-1			15-32	③						
	13-70	③		14-2			15-33	③						
	13-71	③		14-3			15-34	③						
	13-72	③	●	14-4	④		15-35	③						
	13-73	③	●	14-5	④		15-36	③						
●	13-74	④	●	14-6	④		15-37	③						
●	13-75	④		14-7			15-38	③						
●	13-76	④		14-8			15-39	③						
	13-77	③	●	14-9	④		15-40	③						
	13-78	③	●	14-10	④		15-41	③						
	13-79	③		14-11			15-42	③						
	13-80	③	●	14-12	④		15-43	③						
	13-81	③	●	14-13	④		15-44	③						
	13-82	③		14-14			15-45	③						
●	13-83	④	●	14-15	④		15-46	③						
●	13-84	④		14-16			15-47	③						
	13-85	③		14-17			15-48	③						
	13-86	③	●	14-18	④									
	13-87	③	●	14-19	④									
	13-88	③		14-20										
	13-89	③		14-21										
	13-90	③												
	13-91	③		15-1	③									
	13-92	③		15-2	③									
	13-93	③		15-3	③									
	13-94	③	●	15-4	④									

617001



IMPORTANT SAFETY NOTICE

Proper service and repair is extremely important for the safe operation of your machine. The service and repair techniques recommended by Komatsu and described in this manual are both effective and safe methods of operation. Some of these operations require the use of tools specially designed by Komatsu for the purpose.

To prevent injury to workers, the symbols  and  are used to mark safety precautions in this manual. The cautions accompanying these symbols should always be followed carefully. If any dangerous situation arises or may possibly arise, first consider safety, and take the necessary actions to deal with the situation.



SAFETY

GENERAL PRECAUTIONS

Mistakes in operation are extremely dangerous. Read the Operation and Maintenance Manual carefully BEFORE operating the machine.

1. Before carrying out any greasing or repairs, read all the precautions given on the decals which are fixed to the machine.
2. When carrying out any operation, always wear safety shoes and helmet. Do not wear loose work clothes, or clothes with buttons missing.
 - Always wear safety glasses when hitting parts with a hammer.
 - Always wear safety glasses when grinding parts with a grinder, etc.
3. If welding repairs are needed, always have a trained, experienced welder carry out the work. When carrying out welding work, always wear welding gloves, apron, glasses, cap and other clothes suited for welding work.
4. When carrying out any operation with two or more workers, always agree on the operating procedure before starting. Always inform your fellow workers before starting any step of the operation. Before starting work, hang UNDER REPAIR signs on the controls in the operator's compartment.
5. Keep all tools in good condition and learn the correct way to use them.

6. Decide a place in the repair workshop to keep tools and removed parts. Always keep the tools and parts in their correct places. Always keep the work area clean and make sure that there is no dirt or oil on the floor. Smoke only in the areas provided for smoking. Never smoke while working.

PREPARATIONS FOR WORK

7. Before adding oil or making any repairs, park the machine on hard, level ground, and block the wheels or tracks to prevent the machine from moving.
8. Before starting work, lower blade, ripper, bucket or any other work equipment to the ground. If this is not possible, insert the safety pin or use blocks to prevent the work equipment from falling. In addition, be sure to lock all the control levers and hang warning signs on them.
9. When disassembling or assembling, support the machine with blocks, jacks or stands before starting work.
10. Remove all mud and oil from the steps or other places used to get on and off the machine. Always use the handrails, ladders or steps when getting on or off the machine. Never jump on or off the machine. If it is impossible to use the handrails, ladders or steps, use a stand to provide safe footing.

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