

SHOP

MANUAL

**KOMATSU**

**6D105 SERIES**

**DIESEL ENGINE**

# CONTENTS

	No. of page
<b>01 GENERAL</b> .....	01-001
<b>11 STRUCTURE AND FUNCTION</b> .....	11-001
<b>12 TESTING AND ADJUSTING</b> .....	12-001
<b>13 DISASSEMBLY AND ASSEMBLY</b> .....	13-001
<b>14 MAINTENANCE STANDARD</b> .....	14-001

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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	(9)		01-026			11-016			11-061			12-030	
	00-2	(8)		01-027		●	11-017	(9)		11-062			12-031	
●	00-2-1	(9)		01-028			11-018		●	11-063	(9)		12-032	
●	00-2-2	(9)		01-029			11-019			11-064			12-033	
	00-3			01-030		●	11-020	(9)	●	11-065	(9)		12-034	
	00-4			01-031			11-021			11-065-1	(7)		12-035	
	00-5			01-032			11-022			11-066			12-036	(8)
	00-6			01-033			11-023		●	11-067	(9)		12-037	(8)
	00-7			01-034			11-024		●	11-068	(9)		12-037-1	(7)
	00-8			01-035			11-025		○	11-068-1	(9)	●	12-038	(9)
	00-9			01-036			11-026			11-069			12-039	
	00-10			01-036-1	(7)		11-027		●	11-070	(9)		12-040	
	00-11			01-037			11-028		●	11-071	(9)		12-041	
	00-12			01-038			11-029		●	11-072	(9)		12-042	
	00-13			01-038-1	(8)		11-030			11-074			12-043	
	00-14			01-039		●	11-031	(9)		11-075			12-044	
	00-15			01-040			11-032					●	12-045	(9)
	00-16			01-041			11-033			12-001	(7)		12-046	
				01-042			11-035	(7)		12-002			12-047	
	01-001			01-043			11-036			12-003	(7)	●	12-048	(9)
	01-002			01-044			11-037			12-004			12-049	
	01-003			01-045			11-038			12-005			12-050	
	01-004			01-046			11-039			12-006			12-051	
	01-005			01-047	(7)		11-040			12-007			12-052	
	01-006			01-048	(7)		11-041	(7)		12-008			12-053	
●	01-007	(9)		01-049		●	11-042	(9)		12-009			12-054	
●	01-008	(9)	○	01-050	(9)		11-043			12-010			12-055	
●	01-009	(9)	○	01-051	(9)		11-044	(7)	●	12-011	(9)		12-056	
●	01-009-1	(9)	○	01-052	(9)		11-045		●	12-012	(9)		12-057	
●	01-010	(9)					11-046	(7)	●	12-013	(9)		12-058	
	01-011	(7)		11-001	(7)		11-047		●	12-014	(9)		12-058-1	(8)
○	01-011-1	(9)		11-002		●	11-048	(9)		12-015			12-058-2	(8)
	01-012			11-003			11-049			12-016		○	12-058-3	(9)
	01-013			11-004		●	11-050	(9)		12-017		○	12-058-4	(9)
	01-014			11-005		●	11-050-1	(9)		12-018		○	12-058-5	(9)
	01-015		●	11-006	(9)		11-050-2	(7)		12-019			12-059	
	01-016			11-007			11-051	(7)		12-020			12-060	
	01-017			11-008	(7)		11-052			12-021			12-061	
	01-018			11-008-1	(7)		11-053		●	12-022	(9)		12-062	
	01-019			11-009			11-054		●	12-023	(9)		12-063	
	01-020	(7)		11-010	(7)		11-055			12-024		●	12-064	(9)
	01-021			11-011			11-056			12-025			12-065	
	01-022	(7)		11-012			11-057			12-026			12-066	
	01-023			11-013	(7)		11-058			12-027			12-067	
●	01-024	(9)		11-014			11-059		●	12-028	(9)		12-068	
	01-025			11-015			11-060		●	12-029	(9)	●	12-069	(9)

Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number	Mark	Page	Revision number
●	12-070	(9)		13-012		●	14-012	(9)						
●	12-071	(9)		13-013			14-013							
●	12-072	(9)		13-014		●	14-014	(9)						
●	12-073	(9)		13-015		●	14-015	(9)						
	12-074	(7)		13-016			14-016							
	12-075	(8)		13-017		●	14-017	(9)						
	12-076	(8)		13-018			14-018							
○	12-077	(9)		13-019			14-019							
	12-078			13-020		●	14-020	(9)						
	12-079			13-021		●	14-021	(9)						
	12-080	(8)		13-022			14-022							
	12-081	(8)		13-023										
	12-082	(8)		13-024										
	12-083	(8)		13-025										
○	12-083-1	(9)		13-026										
○	12-083-2	(9)		13-027										
	12-084		●	13-028	(9)									
	12-085			13-029										
●	12-086	(9)	●	13-030	(9)									
●	12-087	(9)		13-031										
●	12-088	(9)		13-032										
●	12-088-1	(9)		13-033										
●	12-089	(9)		13-034										
●	12-090	(9)		13-035										
●	12-091	(9)		13-036										
●	12-092	(9)	●	13-037	(9)									
●	12-093	(9)		13-038										
	12-094			13-039										
	12-095	(7)		13-040										
●	12-096	(9)		13-041										
●	12-097	(9)		13-042										
●	12-098	(9)		13-043										
●	12-099	(9)		13-044										
●	12-100	(9)		13-045										
●	12-101	(9)		13-046	(7)									
●	12-102	(9)		13-047										
●	12-103	(9)		13-048										
●	12-104	(9)		13-049										
	12-105			13-050										
●	12-106	(9)		13-051										
●	12-107	(9)		13-052										
●	12-108	(9)		13-053										
●	12-109	(9)		13-054										
●	12-110	(9)		13-055										
●	12-111	(9)		13-056										
●	13-001	(9)		14-001										
	13-002		●	14-002	(9)									
	13-003		●	14-003	(9)									
	13-004		●	14-004	(9)									
	13-005			14-005										
	13-006		●	14-006	(9)									
	13-007			14-007										
	13-008			14-008										
	13-009		●	14-009	(9)									
	13-010			14-010	(7)									
	13-011			14-011										



## 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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