## **Operation & Maintenance Manual**

# PG50UL-2

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC50UU-14993 and up

#### **▲** WARNING -

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

#### NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.



### 5. CONTENTS

1.	Forew	ord	0- 1	
2.	Location of plates, table to enter serial No. and distributor			
3.				
4.				
SÆ	VEETY			
6.	Gener	al precautions	1- 2	
7.	Preca	rtions during operation	1- 7	
	7.1	Before starting engine	1- 7	
	7.2	Operating machine	1- 9	
	7.3	Transportation	1-14	
	7.4	Battery	1-15	
	7.5	Towing	1-16	
8.	Preca	ations for maintenance	1-17	
	8.1	Before carrying out maintenance	1-17	
	8.2	During maintenance	1-19	
9.	Positi	on for attaching safety labels	1-24	
0	PERA	TION		
10	). General view			
	10.1			
	10.2	General view of controls and gauges		
11	1. Explanation of components			
• •	11.1	Machine monitor		
	11.2	Switches		
	11.3	Control levers and pedals		
	11.4	Engine food		
	11.5	Front window	2-19	
	11.6	Sliding door	2-21	
	11.7	Fuse box	2-22	
	11.8	Fusible link	2-22	
	11.9	Cap with lock, cover	2-23	
		Tool box	2-24	
		Grease gun holder		

#### 5. CONTENTS

12.	Opera	rtion	2-25
	12.1	Check before starting engine	2-25
	12.2	Starting engine	2-33
	12.3	Operations and checks after starting engine	2-35
	12.4	Moving machine off	2-38
	12.5	Steering machine	2-40
	12.6	Stopping machine	2-42
	12.7	Swinging	
	12.8	Prohibitions for operation	
	12.9	Precautions for operation	
	12.10	Precautions when traveling up or down hills	
		Work possible using hydraulic excavator	
	12.12	Parking machine	2-51
	12.13	Check after finishing work	2-52
	12.14	Stopping engine	2-52
	12.15	Check after stopping engine	2-53
	12.16	Locking	2-53
	12.17	How to escape from mud	2-54
	12.18	Replacement of bucket	2-55
	12.19	Handling 4-system	2-57
	12.20	Handling rubber shoes (rubber shoes only)	2-67
13.	Trans	portation	2-72
•••	13.1	Loading, unloading work	
	13.2	Method for lifting chassis	
	13.3	Precautions for loading	
	13.4	Precautions for transportation	
44	Cald.	weather operation	2.78
14.		Precautions for low temperature	
	14.1		
	14.2	Cautions after completion of work	
	14.3	Preparing the cab heater	
	14.4	After cold weather	4-Q I
15.	Long-	term storage	
	15.1	Before storage	
	15.2	During storage	
	15.3	After storage	2-83
16.	Troub	leshooting	2-84
	16.1	Phenomena that are not failures	2-84
	16.2	Method of towing machine	2-86
	16.3	Precautions on particular jobsites	2-86
	16.4		2-87
		Other trouble	2-91