

Operation & Maintenance Manual

SEAM002213T

PC100, PC100L-6 PC120, PC120LC-6 PC130-6 MIGHTY HYDRAULIC EXCAVATOR

PC100-46059
PC100L-15234
SERIAL NUMBERS PC120-60968 and up
PC120LC-65504
PC130-51480

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.

KOMATSU

5. CONTENTS

1. Foreword	0- 1
2. Safety information	0- 4
3. Introduction	0- 5
4. Location of plates, table to enter serial No. and distributor	0- 6

SAFETY

6. General precautions	1- 2
7. Precautions during operation	1- 9
7.1 Before starting engine	1- 9
7.2 After starting engine	1-11
7.3 Transportation	1-18
7.4 Battery	1-19
7.5 Towing	1-21
7.6 Bucket with hook	1-22
8. Precautions for maintenance	1-23
8.1 Before carrying out maintenance	1-23
8.2 During maintenance	1-27
9. Position for attaching safety labels	1-33

OPERATION

10. General view	2- 2
10.1 General view of machine	2- 2
10.2 General view of controls and gauges	2- 3
11. Explanation of components	2- 4
11.1 Machine monitor	2- 4
11.2 Switches	2-15
11.3 Control levers, pedals	2-20
11.4 Ceiling window	2-25
11.5 Front window	2-26
11.6 Door lock	2-28
11.7 Cap, cover with lock	2-29
11.8 Hot / Cool box	2-30
11.9 Luggage box	2-30
11.10 Ashtray	2-30
11.11 Air conditioner	2-31
11.12 Car radio	2-34
11.13 Electric power source	2-38
11.14 Fuse	2-39
11.15 Fusible link	2-40
11.16 Controllers	2-40
11.17 Tool box	2-40
11.18 Grease pump holder	2-40

12. Operation	2- 41
12.1 Check before starting engine	2- 41
12.2 Starting engine	2- 53
12.3 Operations and checks after starting engine	2- 56
12.4 Moving machine off	2- 62
12.5 Steering machine	2- 65
12.6 Stopping machine	2- 67
12.7 Swinging.....	2- 68
12.8 Operation of work equipment	2- 69
12.9 Working mode selection.....	2- 70
12.10 Handling active mode	2- 72
12.11 Prohibitions for operation	2- 74
12.12 Precautions for operation	2- 76
12.13 Precautions when traveling up or down hills	2- 77
12.14 How to escape from mud	2- 79
12.15 Work possible using hydraulic excavator	2- 80
12.16 Replacement and inversion of bucket	2- 81
12.17 Parking machine	2- 83
12.18 Check after finishing work	2- 84
12.19 Stopping engine	2- 85
12.20 Check after stopping engine	2- 86
12.21 Locking.....	2- 86
12.22 Handling road liner (road liner only)	2- 87
13. Transportation	2- 91
13.1 Loading, unloading work.....	2- 91
13.2 Precautions for loading	2- 93
13.3 Precautions for transportation	2- 94
14. Cold weather operation	2- 97
14.1 Precautions for low temperature	2- 97
14.2 Precautions after completion of work	2- 99
14.3 After cold weather	2- 99
15. Long-term storage	2-100
15.1 Before storage	2-100
15.2 During storage	2-101
15.3 After storage	2-101
15.4 Starting machine after long-term storage	2-101
16. Troubleshooting	2-102
16.1 When machine runs out of fuel	2-102
16.2 Phenomena that are not failures	2-102
16.3 Method of towing machine	2-102
16.4 Using method for light-weight towing hook	2-103
16.5 Precautions on particular jobsites	2-103
16.6 If battery is discharged	2-104
16.7 Other trouble	2-108