Operation & Maintenance Manual

SEAM009000

[redacted]

PC300,300LC-6
PC350,350LC-6

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC300,300LC-30001 and up
PC350,350LC-10001

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®

MidWestTech | Komatsu PC300-6, PC300LC-6, PC350-6, PC350LC-6 Hydraulic Excavator... Order the manual at mid-west-tech.com >

5. CONTENTS

1. Foreword 0- 1

2. Safety information 0- 2

3. Introduction 0- 3

4. Location of plates, table to enter serial No. and distributor 0- 4

SAFETY

6. General precautions 1- 2

7. Precautions during operation 1- 8
   - 7.1 Before starting engine 1- 8
   - 7.2 Operating machine 1-10
   - 7.3 Transportation 1-15
   - 7.4 Battery 1-16
   - 7.5 Towing 1-17
   - 7.6 Bucket with hook 1-18

8. Precautions for maintenance 1-21
   - 8.1 Before carrying out maintenance 1-21
   - 8.2 During maintenance 1-24

9. Position for attaching safety labels 1-28

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 2-19
    - 11.4 Ceiling window 2-24
    - 11.5 Front window 2-25
    - 11.6 Door lock 2-27
    - 11.7 Cap, cover with lock 2-28
    - 11.8 Hot and cool box 2-29
    - 11.9 Luggage box 2-29
    - 11.10 Ashtray 2-29
    - 11.11 Handling air conditioner 2-30
    - 11.12 Car radio 2-33
    - 11.13 Fuse 2-38
    - 11.14 Fusible link 2-39
    - 11.15 Controllers 2-39
    - 11.16 Tool box 2-39
    - 11.17 Greas gun holder 2-39
    - 11.18 Handling accumulator 2-40

MidWestTech | Komatsu PC300-6, PC300LC-6, PC350-6, PC350LC-6 Hydraulic Excav... Order the manual at mid-west-tech.com >

12. Operation 2-41
12.1 Check before starting engine 2-41
12.2 Starting engine 2-52
12.3 Operations and checks after starting engine 2-55
12.4 Moving machine off 2-61
12.5 Steering machine 2-64
12.6 Stopping machine 2-66
12.7 Swinging 2-67
12.8 Operation of work equipment 2-68
12.9 Handling working mode 2-69
12.10 Prohibitions for operation 2-71
12.11 Precautions for operation 2-73
12.12 Precautions when traveling up or down hills 2-74
12.13 How to escape from mud 2-76
12.14 Work possible using hydraulic excavator 2-77
12.15 Replacement and inversion of bucket 2-78
12.16 Parking machine 2-80
12.17 Check after finishing work 2-81
12.18 Stopping engine 2-82
12.19 Check after stopping engine 2-83
12.20 Locking 2-83

13. Transportation 2-84
13.1 Loading, unloading work 2-84
13.2 Precautions for loading 2-86
13.3 Precautions for transportation 2-86

14. Cold weather operation 2-87
14.1 Precautions for low temperature 2-87
14.2 Precautions after completion of work 2-89
14.3 After cold weather 2-89

15. Long-term storage 2-90
15.1 Before storage 2-90
15.2 During storage 2-91
15.3 After storage 2-91
15.4 Starting machine after long-term storage 2-91

16. Troubleshooting 2-92
16.1 Phenomena that are not failures 2-92
16.2 Method of towing machine 2-92
16.3 Using method for light-weight towing hole 2-92
16.4 Precautions on particular jobsites 2-93
16.5 If battery is discharged 2-93
16.6 Other trouble 2-97

MidWestTech | Komatsu PC300-6, PC300LC-6, PC350-6, PC350LC-6 Hydraulic Excav... Order the manual at mid-west-tech.com >

MAINTENANCE

17. **Guides to maintenance** 3- 2

18. **Outlines of service** 3- 5
    18.1 Outline of oil, fuel, coolant 3- 5
    18.2 Outline of electric system 3- 8
    18.3 Outline of hydraulic system 3- 9

19. **Wear parts list** 3-10

20. **Use of fuel, coolant and lubricants according to ambient temperature** 3-12

21. **Standard tightening torques for bolts and nuts** 3-16
    21.1 Introduction of necessary tools 3-16
    21.2 Torque list 3-17

22. **Periodic replacement of safety critical parts** 3-18

23. **Maintenance schedule chart** 3-20
    23.1 Maintenance schedule chart 3-20
    23.2 Maintenance interval when using hydraulic breaker 3-22

24. **Service Procedure** 3-23
    24.1 Initial 250 hours service 3-23
    24.2 When required 3-24
    24.3 Check before starting 3-42
    24.4 Every 50 hours service 3-46
    24.5 Every 100 hours service 3-48
    24.6 Every 250 hours service 3-50
    24.7 Every 500 hours service 3-58
    24.8 Every 1000 hours service 3-65
    24.9 Every 2000 hours service 3-68
    24.10 Every 4000 hours service 3-75

SPECIFICATIONS

25. **Specifications** 4- 2

MidWestTech | Komatsu PC300-6, PC300LC-6, PC350-6, PC350LC-6 Hydraulic Excav... Order the manual at mid-west-tech.com >