EEAM008000

Operation & Maintenance Manual

PC340-6K
PC340LC-6K
PC340NLC-6K

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC340-6K - K30001
PC340LC-6K - K30001 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.

KOMATSU

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator Oper... Order the manual at mid-west-tech.com >

5. CONTENTS

1. Foreword 0-1

2. Safety information 0-2

3. Introduction 0-4

4. Location of plates, table to enter serial No. and distributor 0-5

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
    - 10.1 General view of machine 2-2
    - 10.2 General view of controls and gauges 2-3

11. Explanation of components
    - 11.1 Machine monitor 2-4
    - 11.2 Switches 2-15
    - 11.3 Control levers, pedals 2-19
    - 11.4 Roof hatch 2-24
    - 11.5 Front window 2-25
    - 11.6 Door lock 2-27
    - 11.7 Cap, cover with lock 2-28
    - 11.8 Luggage box 2-29
    - 11.9 Ashtray 2-29
    - 11.10 Heater 2-29
    - 11.11 Air conditioner 2-30
    - 11.12 Car radio 2-33
    - 11.13 Fuse 2-34
    - 11.14 Fusible link 2-35
    - 11.15 Controllers 2-35
    - 11.16 Tool box 2-35
    - 11.17 Refuelling pump 2-35
    - 11.18 Handling the accumulator 2-36

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator... Order the manual at mid-west-tech.com >

12. Operation
12.1 Check before starting engine 2-38
12.2 Starting engine 2-48
12.3 Operations and checks after starting engine 2-51
12.4 Moving machine off 2-57
12.5 Steering machine 2-60
12.6 Stopping machine 2-62
12.7 Swinging 2-63
12.8 Operation of work equipment 2-64
12.9 Working mode selection 2-65
12.10 Prohibitions for operation 2-67
12.11 Precaution for operation 2-69
12.12 Precaution when travelling up or down hills 2-70
12.13 How to escape from mud 2-72
12.14 Work possible using hydraulic excavator 2-73
12.15 Replacement and inversion of bucket 2-74
12.16 Parking the machine 2-76
12.17 Check after finishing work 2-77
12.18 Stopping engine 2-78
12.19 Check after stopping engine 2-79
12.20 Locking 2-79
12.21 Overload warning device 2-79

13 Transportation
13.1 Loading, unloading work 2-80
13.2 Precautions for loading 2-82
13.3 Precautions for transportation 2-83
13.4 Lifting the machine 2-83

14. Cold weather operation
14.1 Precaution for low temperature 2-85
14.2 Precautions after completion of work 2-86
14.3 After cold weather 2-86

15. Long-term storage
15.1 Before storage 2-87
15.2 During storage 2-88
15.3 After storage 2-88
15.4 Starting machine after long-term storage 2-88

16. Troubleshooting
16.1 Phenomena that are not failures 2-89
16.2 Method of towing machine 2-89
16.3 Using method for light-weight towing hole 2-89
16.4 Precautions on particular jobsites 2-90
16.5 If battery is discharged 2-90
16.6 Other trouble 2-94

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator... 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 3-9
    18.3 Outline of hydraulic system 3-10

19. Wear parts list 3-11

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

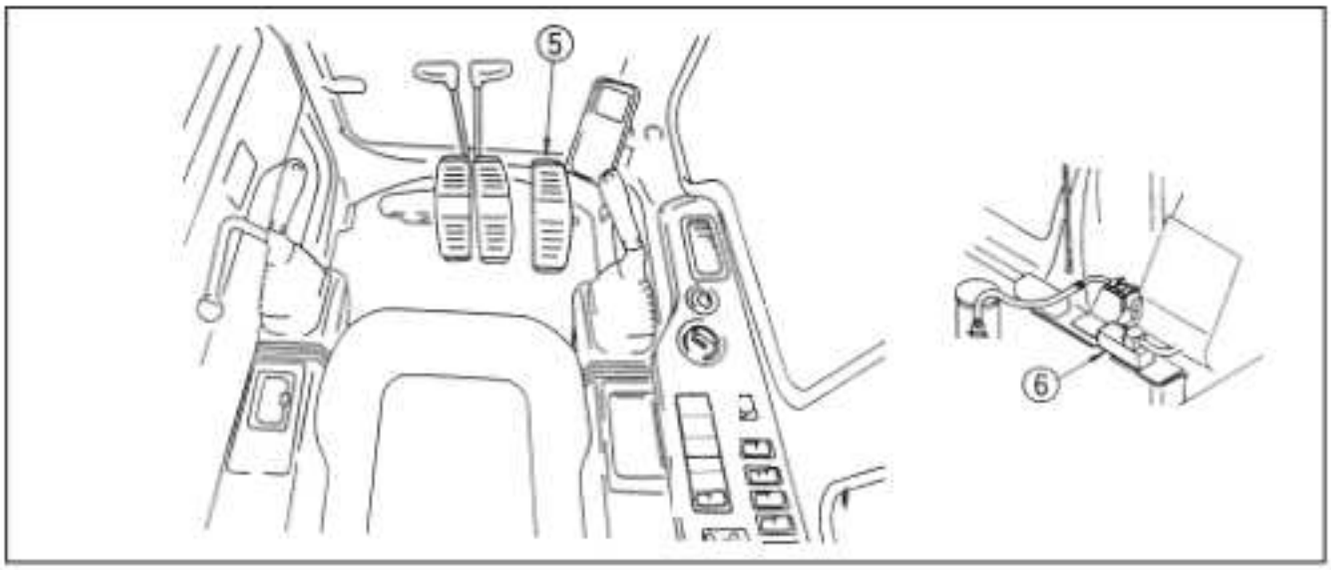
23. Maintenance schedule chart 3-20
    23.1 Maintenance schedule chart 3-20
    23.2 Maintenance interval when using hydraulic breaker 3-22

24. Service procedure 3-23
    24.1 Initial 250 hours service 3-23
    24.2 When required 3-24
    24.3 Check before starting 3-45
    24.4 Every 50 hours service 3-49
    24.5 Every 100 hours service 3-51
    24.6 Every 250 hours service 3-54
    24.7 Every 500 hours service 3-61
    24.8 Every 1000 hours service 3-67
    24.9 Every 2000 hours service 3-73
    24.10 Every 4000 hours 3-80

SPECIFICATIONS

25. SPECIFICATIONS 4-2
    25.1 Machine specifications 4-2
    25.2 Explanation of lifting capacity chart 4-5

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator... Order the manual at mid-west-tech.com >



5. ATTACHMENT CONTROL PEDAL

WARNING

Do not put your foot on the pedal except when operating the pedal. If resting your foot on the pedal during operation, and it is depressed by accident by accident, the attachment may move suddenly and cause serious damage or injury.

When breaker is installed

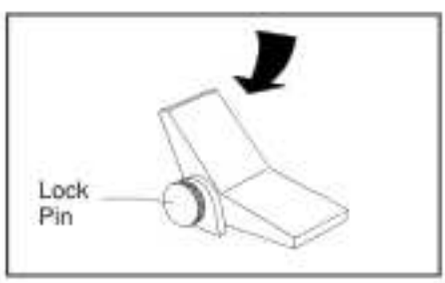
- When the front part of the pedal is depressed, the breaker is actuated.
- Screw lock pin into hole in pedal to lock(Pedal is disabled. Unscrew completely to unlock).
- Set the working mode to the breaker (B.O) and unlock pedal.

When general attachment is installed

- When the pedal is depressed, the attachment is actuated.
- Unlock the pedal to operate.

When no attachment is fitted or when attachment operation is not required.

- Lock pedal using lock pin.



PC340 ENG

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator... Order the manual at mid-west-tech.com >

23. MAINTENANCE SCHEDULE CHART

23.1 MAINTENANCE SCHEDULE CHART

SERVICE ITEM	PAGE
INITIAL 250 HOURS SERVICE (only after the first 250 hours)	3-23
Replace fuel filter cartridge	3-23
WHEN REQUIRED	
Check, clean and replace air cleaner element	3-24
Clean inside of cooling system	3-26
Check and tighten track shoe bolts	3-32
Check and adjust track tension	3-33
Check electrical intake air heater	3-35
Replace bucket side cutters	3-36
Replace bucket teeth	3-36
Adjust bucket clearance	3-41
Check window washer fluid level, add fluid	3-42
Check and adjust air conditioner (Option)	3-43
Replace additional breaker filter element (option)	3-44
CHECK BEFORE STARTING	
Check coolant level, add water	3-45
Check oil level in engine oil pan, add oil	3-45
Check fuel level, add fuel	3-46
Check oil level in hydraulic tank, add oil	3-47
Check air cleaner for clogging	3-48
Check electric wirings	3-48
EVERY 50 HOURS SERVICE	
Lubricating	
• Boom cylinder foot pin (2 points)	3-49
• Boom foot pin (2 points)	3-49
• Arm-Link coupling pin (1 point)	3-49
• Arm-Bucket coupling pin (1 point)	3-49
• Link coupling pin (2 points)	3-49
• Bucket cylinder rod end (1 point)	3-49
• Bucket-Link coupling pin (1 point)	3-49
EVERY 100 HOURS SERVICE	
Lubricating	3-50
• Boom cylinder foot pin (2 points)	3-50

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator... Order the manual at mid-west-tech.com >

29. INTRODUCTION OF ATTACHMENTS

29.1 SPECIFICATION, USE

- **PC340LC-6K**

Name	Specifications, use	
Narrow bucket	Capacity Outside width	0.48 m³ 610 mm
Narrow bucket	Capacity Outside width	1.0 m³ 1,145mm
Light duty bucket	Capacity Outside width	1.4 m³ 1,515 mm
Light duty bucket	Capacity Outside width	1.6 m³ 1,700 mm
Rock bucket	Capacity Outside width	1.2 m³ 1,310 mm
Shape finishing bucket	Capacity Compacting width Compacting area	0.35 m³ 2,200 mm³ 2,4 m²
Trapezoidal bucket	Capacity Outside width	0.9 m³ 3,180 mm (45°)
Ripper bucket	Capacity Outside width	1.0 m³ 1,250 mm
One tooth bucket	Shank width Crushing depth	118 mm 1,130 mm
Three teeth ripper	Shank width Crushing depth	118 mm 860 mm
Track shoes	Triple grouser shoe width Triple grouser shoe width Triple grouser shoe width	600 mm 800 mm 850 mm
Short arm	Arm length Max. digging length	2,550 mm 6,710 mm
Short arm	Arm length Max. digging length	2,200 mm 6,710 mm
Long arm	Arm length Max. digging length	4,000 mm 8,160 mm
Head guard	In place where there is danger of falling rocks, always install the head guard to protect the operator.	

MidWestTech | Komatsu PC340-6K, PC340LC-6K, PC340NLC-6K Hydraulic Excavator... Order the manual at mid-west-tech.com >