SEAM002207

Operation & Maintenance Manual

KOMATSU®

PC100-6
PC100L-6
PC120-6
PC130-6 MIGHTY

HYDRAULIC EXCAVATOR

SERIAL NUMBERS

PC100-6 - 45221
PC100L-6 - 15200
PC120-6 - 57499
PC130-6 - 51020

and up

April 1998

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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- 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** 1-32

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

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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

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MAINTENANCE

17. Guides to maintenance 3- 2

18. Outlines of service 3- 4
18.1 Outline of oil, fuel, coolant 3- 4
18.2 Outline of electric system 3- 7
18.3 Outline of hydraulic system 3- 8

19. Wear parts list 3- 9

20. Use of fuel, coolant and lubricants according to ambient temperature 3-10

21. Standard tightening torques for bolts and nuts 3-14
21.1 Introduction of necessary tools 3-14
21.2 Torque list 3-15

22. Periodic replacement of safety critical parts 3-16

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 3-43
24.4 Every 50 hours service 3-48
24.5 Every 100 hours service 3-49
24.6 Every 250 hours service 3-52
24.7 Every 500 hours service 3-58
24.8 Every 1000 hours service 3-64
24.9 Every 2000 hours service 3-69
24.10 Every 4000 hours service 3-71
24.11 Every 5000 hours service 3-72

SPECIFICATIONS

25. Specifications 4- 2

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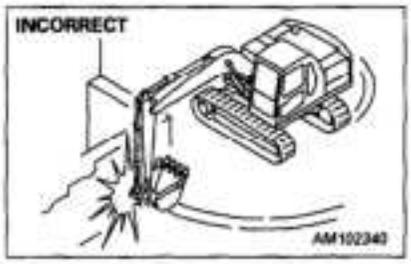
12.11 PROHIBITIONS FOR OPERATION

⚠ WARNING

- **If it is necessary to operate the work equipment control lever when the machine is traveling, stop the machine before operating the work equipment control lever.**
- **If the lever is moved inside the deceleration range, engine speed will suddenly rise. Operate the levers carefully.**
- **Never operate the machine on a rock bed (hard or soft rock).**

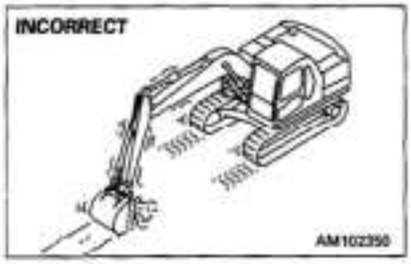
Prohibited operations using swing force

Do not use the swing force to compact soil or break earth mounds or walls.
When swinging, do not dig the bucket teeth into the soil.
These operations will damage the work equipment.



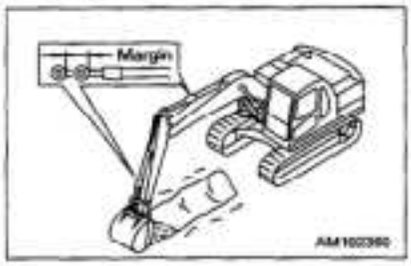
Prohibited operations using travel force

Do not leave the bucket dug into the ground and use the travel force to excavate. This will bring excessive force to bear on the rear of the machine.



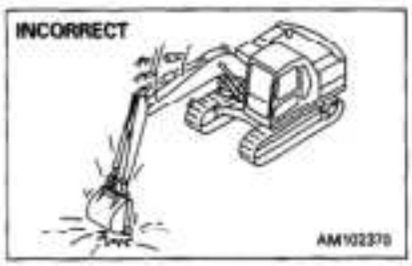
Precautions when operating hydraulic cylinders to end of stroke

If the cylinder is operated to the end of its stroke during operations, force will be brought to bear on the stopper inside the cylinder, and this will reduce the life of the machine. To prevent this, always leave a small safety margin when operating the cylinders.



Prohibited operations using dropping force of bucket

Do not use the dropping force of the bucket as a pickaxe, breaker, or pile driver. This will bring excessive force to bear on the rear of the machine, and will not only damage the machine, but is also dangerous.



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24.7 EVERY 500 HOURS SERVICE

Maintenance for every 50, 100 and 250 hours should be carried out at the same time.

24.7.1 REPLACE FUEL FILTER CARTRIDGE AND ADDITIONAL FUEL FILTER CARTRIDGE (MACHINES EQUIPPED WITH ADDITIONAL FUEL FILTER)

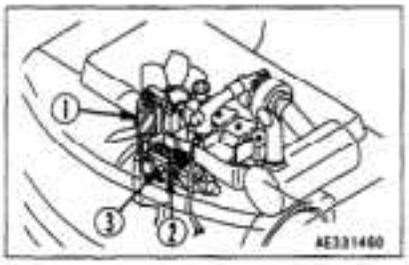
⚠WARNING

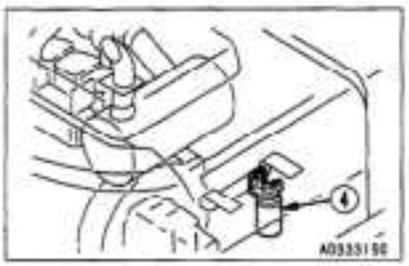
- **Engine is at high temperature immediately after the machine has been operated. Wait for engine to cool down before replacing the filter.**
- **Do not bring fire or sparks near the fuel.**

Prepare a filter wrench and a container to catch the fuel.

1. Set the container to catch the fuel under the filter cartridge.
2. Using a filter wrench, turn filter cartridge ① counterclockwise to remove it. If an additional filter is installed, turn additional filter cartridge ④ to the left.
3. Clean the filter holder, fill a new filter cartridge ① with clean fuel, coat the packing surface with engine oil, then install it to the filter holder.
4. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 1/2 of a turn.
5. If equipped with additional fuel filter, clean the additional fuel filter holder, fill a new filter cartridge ④ with clean fuel, coat the packing surface with engine oil, then install it to the filter holder.
6. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 2/3 of a turn.

   If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten to the correct amount.
7. After replacing the fuel filter cartridge, bleed the air.
   Bleed the air according to the following procedures.





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25. SPECIFICATIONS

PC100-6
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		PC100-6	PC100L-6	PC120-6	PC130-6 MIGHTY
WEIGHT					
• Operating weight (without operator)		10700 kg (23590 lb)	13800 kg (30430 lb)	11700 kg (25800 lb)	12300 kg (27120 lb)
PERFORMANCE					
• Bucket capacity (standard bucket) SAE/CECE		0.45 m^3 (0.58 cu.yd)/0.40 m^3		0.50 m^3 (0.65 cu.yd)/0.45 m^3	
• Width of opening	(Standard bucket)	833 mm (32.8 in)		859 mm (33.8 in)	
	(With side cutter)	953 mm (37.5 in)		980 mm (38.6 in)	
• Travel speed	Low speed	2.7 km/h (1.7 MPH)		2.7 km/h (1.7 MPH)	
	Middle speed	3.5 km/h (2.2 MPH)		3.6 km/h (2.2 MPH)	
	High speed	5.5 km/h (3.4 MPH)		5.5 km/h (3.4 MPH)	
• Swing speed		12 rpm			
TRACK SHOE					
• Triple grouser shoe (standard)		500 mm (19.7 in) width			
ENGINE					
• Model		Komatsu S4D102E diesel engine			
• Flywheel horsepower		60 kW (81 HP)/2100 rpm		64 kW (86 HP)/2200 rpm	
• Starting motor		24 V 4.5 kW			
• Alternator		24 V 25 A			
• Battery		12 V 80 Ah x 2 pieces			

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