UEAM000701

Operation & Maintenance Manual

KOMATSU®

PW170ES-6

WHEELED EXCAVATOR

SERIAL NUMBERS **PW170ES-6K -K32001** and up

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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

10. Lifting capacities 1-34

OPERATION

11. General view
   - 11.1 General view of machine 2-2
   - 11.2 General view of controls and gauges 2-3

12. Explanation of components
   - 12.1 Machine monitor 2-4
   - 12.2 Switches 2-15
   - 12.3 Control levers, pedals 2-24
   - 12.4 Roof hatch 2-26
   - 12.5 Front window 2-27
   - 12.6 Door lock 2-29
   - 12.7 Cap, cover with lock 2-30
   - 12.8 Fuse 2-31
   - 12.9 Luggage tray 2-32
   - 12.10 Ashtray 2-32
   - 12.11 Heater 2-32
   - 12.12 Air conditioner 2-34
   - 12.13 Fusible link 2-37
   - 12.14 Controller 2-37
   - 12.15 Toolbox 2-37
   - 12.16 Refuelling pump 2-37
   - 12.17 Cab radio 2-38
   - 12.18 Power supply socket 2-42
   - 12.19 Warning lamps 2-43
   - 12.20 Handling the accumulators 2-45

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13. Operation
13.1 Check before starting engine 2-49
13.2 Starting engine 2-58
13.3 Operations and checks after starting engine 2-61
13.4 Moving machine off 2-67
13.5 Steering machine 2-70
13.6 Stopping machine 2-71
13.7 Swinging 2-72
13.8 Operation of work equipment 2-73
13.9 Working mode selection 2-74
13.10 Prohibitions for operation 2-76
13.11 Precaution for operation 2-78
13.12 Precaution when travelling up or down hills 2-79
13.13 How to escape from mud 2-81
13.14 Work possible using hydraulic excavator 2-82
13.15 Replacement and inversion of bucket 2-83
13.16 Parking the machine 2-85
13.17 Check after finishing work 2-86
13.18 Stopping engine 2-87
13.19 Check after stopping engine 2-88
13.20 Locking 2-88
13.21 Handling the wheels 2-89

14. Transportation
14.1 Loading, unloading work 2-94
14.2 Precautions for loading 2-96
14.3 Precautions for transportation 2-98
14.4 Travelling posture 2-100

15. Cold weather operation
15.1 Precaution for low temperature 2-102
15.2 Precautions after completion of work 2-103
15.3 After cold weather 2-103

16. Long-term storage
16.1 Before storage 2-104
16.2 During storage 2-105
16.3 After storage 2-105
16.4 Starting machine after long-term storage 2-105

17. Troubleshooting
17.1 Phenomena that are not failures 2-106
17.2 Method of towing machine 2-106
17.3 Precautions on particular jobsites 2-107
17.4 If battery is discharged 2-107
17.5 Other trouble 2-111

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MAINTENANCE

18. Guides to maintenance 3-2

19. Outlines of service 3-4
19.1 Outline of oil, fuel, coolant 3-4
19.2 Outline of electric system 3-7
19.3 Outline of hydraulic system 3-8

20. Wear parts list 3-9

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

22. Standard tightening torques for bolts and nuts 3-14
22.1 Introduction of necessary tools 3-14
22.2 Torque list 3-15

23. Periodic replacement of safety critical parts 3-16

24. Maintenance schedule chart 3-18
24.1 Maintenance schedule chart 3-18
24.2 Maintenance interval when using hydraulic breaker 3-23

25. Service procedure 3-24
25.0 Initial 250 hours service 3-24
25.1 When required 3-25
25.2 Check before starting 3-44
25.3 Every 50 hours service 3-48
25.4 Every 100 hours service 3-49
25.5 Every 250 hours service 3-54
25.6 Every 500 hours service 3-61
25.7 Every 1000 hours service 3-68
25.8 Every 2000 hours service 3-73
25.9 Every 4000 hours 3-76
25.10 Every 5000 hours 3-77

SPECIFICATIONS

26. SPECIFICATIONS 4-2
26.1 Machine specifications 4-2
26.2 Working ranges 4-5

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13.8 OPERATION OF WORK EQUIPMENT

⚠ WARNING

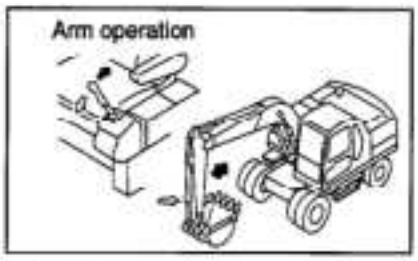
If any lever is operated when in the deceleration range, the engine speed will suddenly increase, so be careful when operating the levers.

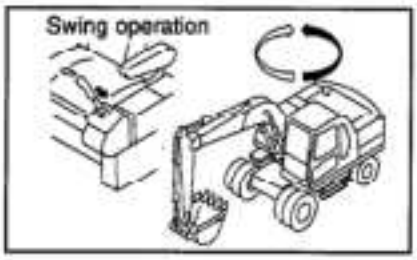
The work equipment is operated by the left and right work equipment control levers. The left work equipment control lever operates the arm and swing, and the right work equipment control lever operates the boom and bucket.

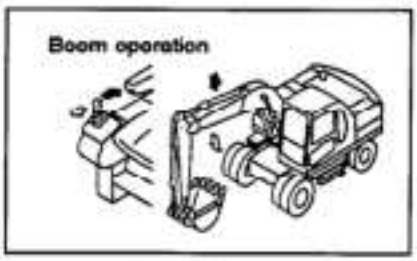
The movements of the lever and work equipment are as shown in the diagrams on the right. When the levers are released, they automatically return to the neutral position and the work equipment is held in place.

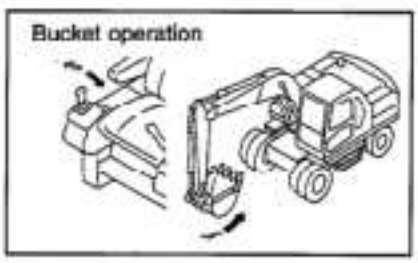
- If the work equipment control lever is returned to the neutral position when the machine is stopped, even if the fuel control dial is set to FULL, the auto-deceleration mechanism will act to reduce the engine speed to a mid-range speed.

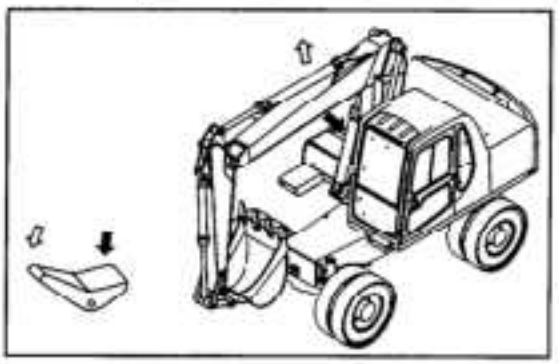
- If the levers are operated within 15 seconds after stopping the engine, it's possible to lower the work equipment to the ground. In addition, the levers can also be operated to release any remaining pressure inside the hydraulic cylinder circuit and to lower the boom after loading the machine on a trailer.











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19.1.4 GREASE

- Grease is used to prevent twisting and noise at the joints.
- The nipples not included in the maintenance section are nipples for overhaul, so they do not need grease. If any part becomes stiff after being used for long time, add grease.
- Always wipe off all of the old grease that is pushed out when greasing. Be particularly careful to wipe off the old grease in places. Where sand or dirt sticking in the grease would cause wear of the rotating parts.

19.1.5 STORING OIL AND FUEL

- Keep indoors to prevent any water, dirt, or other impurities from getting in.
- When keeping drum cans for a long period, put the drum on its side so that the filler port of the drum can is at the side. (To prevent moisture from being sucked in)
  If drum cans have to be stored outside, cover them with a waterproof sheet or take other measures to protect them.
- To prevent any change in quality during long-term storage, be sure to use in the order of first in first out (use the oldest oil or fuel first).

19.1.6 FILTERS

- Filters are extremely important safety parts. They prevent impurities in the fuel and air circuits from entering important equipment and causing problems.
  Replace all filters periodically. For details, see the Operation and Maintenance Manual.
  However, when working in severe conditions, it is necessary to consider replacing the filters at shorter intervals according to the oil and fuel (sulfur content) being used.
- Never try to clean the filters (cartridge type) and use them again. Always replace with new filters.
- When replacing oil filters, check if any metal particles are stuck to the old filter. If any metal particles are found, please contact your Komatsu distributor.
- Do not open packs of spare filters until just before they are to be used.
- Always use Komatsu genuine filters.

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26. SPECIFICATIONS

WEIGHT		
• Operating weight (without operator/1PB/rear dozer blade/2.2m arm/incl. bucket)		* 16600 kg (36520 lb)
PERFORMANCE		
• Bucket capacity (standard bucket) SAE/CECE		0.69 m³/0.63 m³
• With of opening	(Standard bucket)	1000 mm
	(With side cutter)	1100 mm
• Travel speed	Low speed	2.2 mph (1.7 mph)** 3.5 km/h (2.7 km/h)**
	Middle speed	6.2 mph (5 mph)** 10 km/h (8 km/h)**
	High speed	18.6 mph (12.4 mph)** 30 km/h (20 km/h)**
• Swing speed		12.5 rpm
ENGINE		
• Model		SA4D102E-1
• Flywheel Horsepower		92 kW (123 HP)/2300 rpm
• Starting motor		24 V 5.5 kW
• Alternator		24V/45A
• Battery		12V 95 Ah x 2 pieces

* Weight may vary depending on specification
** For 20 km/h specification version

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