UEAM002501

Operation & Maintenance Manual

PW200-7KA
PW220-7KA

WHEELED EXCAVATOR

SERIAL NUMBER

PW200-7KA	- K40001 and up
PW220-7KA	- K40001 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.

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CONTENTS

FOREWORD 1

FOREWORD 2

SAFETY INFORMATION 4

SAFETY MESSAGES 4
NOISE 5
VIBRATION 5
EMERGENCY STEERING 6

INTRODUCTION 7

INTENDED USE 7
FEATURES 7
BREAKING IN YOUR NEW MACHINE 8

LOCATIONS OF PLATES, TABLE TO ENTER SERIAL NO. AND DISTRIBUTOR 9

MACHINE SERIAL NO. PLATE POSITION 9
ENGINE SERIAL NO. PLATE POSITION 9
TABLE TO ENTER SERIAL NO. AND DISTRIBUTOR 9
MACHINE SERIAL PLATES 10

SAFETY 19

GENERAL PRECAUTIONS 20

PRECAUTION DURING OPERATION 26

BEFORE STARTING ENGINE 26
OPERATING MACHINE 27
TRANSPORTATION 33
BATTERY 34
TOWING 35
BUCKET WITH HOOK OR BUCKET LINK WITH LIFTING EYE 36

PRECAUTIONS FOR MAINTENANCE 39

BEFORE CARRYING OUT MAINTENANCE 39
DURING MAINTENANCE 42

POSITION FOR ATTACHING SAFETY LABELS 45

POSITION FOR ATTACHING SAFETY LABELS 45

LIFTING CAPACITY CHART PW200-7K 54

ONE PIECE BOOM Lift capacity tables for 2.5 metre undercarriage 54
ONE PIECE BOOM Lift capacity tables for 2.75 metre undercarriage 61

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LIFTING CAPACITY CHART PW220-7K 68
ONE PIECE BOOM Lift capacity tables for 2.75 metre undercarriage and heavy duty counterweight. 68
ONE PIECE BOOM Lift capacity tables for 2.75 metre undercarriage 75

OPERATION 83

GENERAL VIEW 84
GENERAL VIEW OF MACHINE 84
GENERAL VIEW OF CONTROLS AND GAUGES 85

EXPLANATION OF COMPONENTS 86
MACHINE MONITOR 86
BASIC CHECK ITEMS 89

SWITCHES 118

CONTROL LEVERS, PEDALS 126
FRONT WINDOW 131
EMERGENCY EXIT FROM OPERATOR'S CAB 135
DOOR LOCK 136
CAP, COVER WITH LOCK 137
FUSE 138
LUGGAGE TRAY 139
ASHTRAY 139
CUP HOLDER 139
HOT AND COOL BOX 139
CAB RADIO 140
METHOD OF OPERATION 142
POWER PICK-UP PORT 144
HANDLING AIR CONDITIONER 145
FUSIBLE LINK 158
CONTROLLER 158
TOOL BOX 159
REFUELLING PUMP 159
WARNING LAMPS 160
HANDLING ACCUMULATORS 161

OPERATION 162
CHECK BEFORE STARTING ENGINE 162

OPERATIONS AND CHECKS BEFORE STARTING ENGINE 173
STARTING ENGINE 175
MOVING MACHINE OFF 184
STEERING 187
TRAVELLING ON PUBLIC HIGHWAY 188
STOPPING & PARKING 189
SWINGING (Slewing the upper carriage) 191
OPERATION OF WORK EQUIPMENT 192

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WORKING MODE SELECTION 194
PROHIBITIONS FOR OPERATION 196
PRECAUTIONS FOR OPERATION 197
PRECAUTIONS WHEN TRAVELLING UP OR DOWN HILLS 198
HOW TO ESCAPE FROM MUD 199
WORK POSSIBLE USING HYDRAULIC EXCAVATOR 200
REPLACEMENT AND INVERSION OF BUCKET 201
STOPPING ENGINE 203
CHECK AFTER FINISHING WORK 203

CHECK AFTER STOPPING ENGINE 204
LOCKING 204
HANDLING THE WHEELS 204

TRANSPORTATION 208
LOADING, UNLOADING WORK 208
PRECAUTIONS FOR LOADING 210
PRECAUTIONS FOR TRANSPORTATION 212
TRAVELLING POSTURE 213

COLD WEATHER OPERATION 214
PRECAUTIONS FOR LOW TEMPERATURE 214
PRECAUTIONS AFTER COMPLETION OF WORK 216
AFTER COLD WEATHER 216

LONG-TERM STORAGE 217
BEFORE STORAGE 217
DURING STORAGE 217
AFTER STORAGE 218
STARTING MACHINE AFTER LONG-TERM STORAGE 218

TROUBLESHOOTING 219
PHENOMENA THAT ARE NOT FAILURES 219
METHOD OF TOWING MACHINE 220
PRECAUTIONS ON PARTICULAR JOBSITES 220
DISCHARGED BATTERY 221
OTHER TROUBLE 225

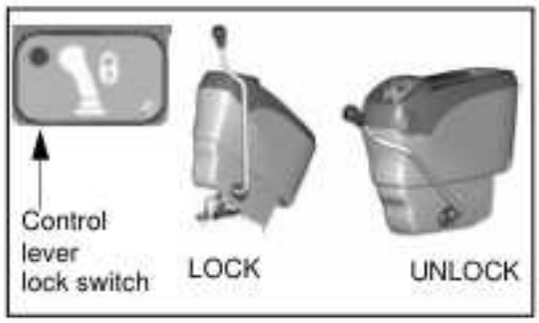
MAINTENANCE 231

GUIDES TO MAINTENANCE 232

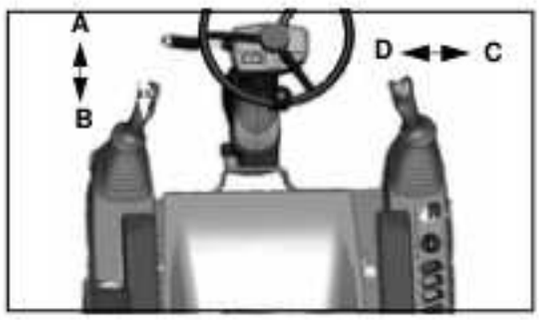
OUTLINE OF SERVICE 235
USE OF BIO-DEGRADEABLE OIL 235
OUTLINE OF OIL, FUEL, COOLANT 236
OUTLINE OF ELECTRIC SYSTEM 239
OUTLINE OF HYDRAULIC SYSTEM 240

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2. Lower the safety lock lever to the UNLOCK position, switch OFF the control lever lock switch and raise the bucket from the ground.

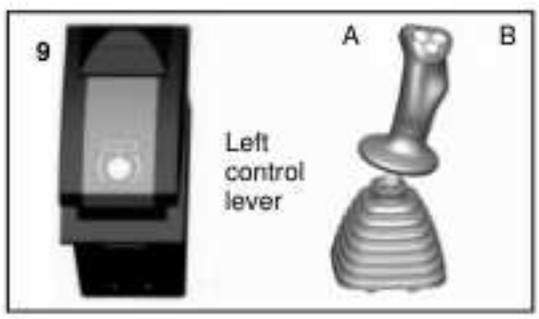


3. Operate bucket control - right control lever, and arm control - left control lever (slowly to move the bucket cylinder and arm cylinder to the end of the stroke.



(A) IN	(C) CURL
(B) OUT	(D) DUMP

4. Carry out bucket and arm operation for 5 minutes at full stroke, alternating between bucket operation and arm operation at 30 second intervals.
If the swing lock switch (9) is set to the ON (actuated) position and swing control lever is operated at full stroke, oil temperature rise can be increased quicker.



NOTICE

When the work equipment is retracted, take care that it does not interfere with the machine body or ground.

A	Left swing
B	Right swing

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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 (sulphur 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.

OUTLINE OF ELECTRIC SYSTEM

- If the wiring gets wet or the insulation is damaged, the electric system leaks and this could result in hazardous malfunction of the machine.
- Services relating to the electric system are (1) check of fan belt tension, (2) check of damage or wear in the fan belt and (3) check of battery fluid level.
- Never remove or disassemble any electric components installed in the machine.
- Never install any electric components other than these specified by Komatsu.
- Be careful to keep the electric system free of water when washing the machine or when it rains.
- Since the controller for the control system may cause malfunction due to external wave interference, before installing a radio receiver and a walkie-talkie or citizen band, consult your Komatsu distributor.
- When working on the seashore, carefully clean the electric system to prevent corrosion.
- When installing a car cooler or an other electrical equipment, connect it to an independent power source connector. The optional power source must never be connected to the fuse, starting switch, or battery relay.

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SPECIFICATIONS

WEIGHT		PW200-7K	PW220-7K
• Operation weight (without operator)		* 19900 kg (43871.94lb)	* 20400 kg (44974.25lb)
PERFORMANCE			
• Bucket capacity (standard bucket) SAE		0.8 m³ (28.25ft³)	1.0 m³ (35.31ft³)
• Travel speed	Creep speed	2 km/h** (1.24 mp/h)	
	Low speed	9.5 km/h** (5.9 mp/h)	
	High speed	35 km/h** (21.75 mp/h)	
• Swing speed		11.9 rpm	
ENGINE			
• Model		Komatsu SAA6D102E-2 diesel engine	
• Flywheel horsepower (NET)		118 kW (160 PS /1950 rpm)	
• Starting motor		24 V 5.5 kW	
• Alternator		24 V 45 A	
• Battery		12 V 95 Ah x 2 (STD) 12 V 120AH x 2 (OPTION)	

* Weight will vary depending on specification

** 20 km/h (12.43 mp/h) specification version.

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