Operation & Maintenance Manual

UEAM000902

PW130ES-6K

HYDRAULIC EXCAVATOR

SERIAL NUMBER
PW130ES-6K - K34001 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**

SAFETY INFORMATION **2**

SAFETY MESSAGES 2
NOISE 3
VIBRATION 4
EMERGENCY STEERING 5

INTRODUCTION **6**

INTENDED USE 6
Features 6
BREAKING IN YOUR NEW MACHINE 6

LOCATIONS OF PLATES, TABLE TO ENTER SERIAL NO. AND DISTRIBUTOR **8**

MACHINE SERIAL NO. PLATE POSITION 8
ENGINE SERIAL NO. PLATE POSITION 8
TABLE TO ENTER SERIAL NO. AND DISTRIBUTOR 8
MACHINE SERIAL PLATES 9

SAFETY 15

GENERAL PRECAUTIONS **16**

PRECAUTION DURING OPERATION **22**

BEFORE STARTING ENGINE 22
OPERATING MACHINE 23
TRANSPORTATION 28
BATTERY 29
TOWING 30
BUCKET WITH HOOK OR BUCKET LINK 32

PRECAUTIONS FOR MAINTENANCE **35**

BEFORE CARRYING OUT MAINTENANCE 35
DURING MAINTENANCE 38

POSITION FOR ATTACHING SAFETY LABELS **41**

POSITION FOR ATTACHING SAFETY LABELS 41

OPERATION 55

GENERAL VIEW **56**

GENERAL VIEW OF MACHINE 56
..... 56
GENERAL VIEW OF CONTROLS AND GAUGES 57

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EXPLANATION OF COMPONENTS **59**
MACHINE MONITOR 59
SWITCHES 70
CONTROL LEVERS, PEDALS 80
ROOF HATCH 83
FRONT WINDOW 85
DOOR LOCK 88
CAP, COVER WITH LOCK 89
FUSE 90
LUGGAGE TRAY 91
ASHTRAY 91
HEATER 91
AIR CONDITIONER 93
FUSIBLE LINK 96
CONTROLLERS 96
TOOL BOX 96
REFUELLING PUMP 96
CAB RADIO (OPTION) 97
WARNING LAMPS 98
HANDLING THE ACCUMULATOR 99

OPERATION **101**
CHECK BEFORE STARTING ENGINE 101
STARTING ENGINE 110
MOVING MACHINE OFF 119
STEERING 121
STOPPING 123
SWINGING (Slewing the upper carriage) 124
OPERATION OF WORK EQUIPMENT 125
WORKING MODE SELECTION 126
PROHIBITIONS FOR OPERATION 128
PRECAUTIONS FOR OPERATION 129
PRECAUTIONS WHEN TRAVELING UP OR DOWN HILLS 130
HOW TO ESCAPE FROM MUD 131
WORK POSSIBLE USING HYDRAULIC EXCAVATOR 132
REPLACEMENT AND INVERSION OF BUCKET 133
PARKING MACHINE 136
CHECK AFTER FINISHING WORK 137
STOPPING ENGINE 137
CHECK AFTER STOPPING ENGINE 138
LOCKING 138
OVERLOAD WARNING DEVICE 138
HANDLING THE WHEELS 138

TRANSPORTATION **144**
LOADING, UNLOADING WORK 144
PRECAUTIONS FOR LOADING 146
PRECAUTIONS FOR TRANSPORTATION 148

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TRAVELLING POSTURE 149

COLD WEATHER OPERATION 150

PRECAUTIONS FOR LOW TEMPERATURE 150
PRECAUTIONS AFTER COMPLETION OF WORK 151
AFTER COLD WEATHER 152

LONG-TERM STORAGE 153

BEFORE STORAGE 153
DURING STORAGE 153
AFTER STORAGE 154
STARTING MACHINE AFTER LONG-TERM STORAGE 154

TROUBLESHOOTING 155

PHENOMENA THAT ARE NOT FAILURES 155
METHOD OF TOWING MACHINE 156
PRECAUTIONS ON PARTICULAR JOBSITES 156
IF BATTERY IS DISCHARGED 157
OTHER TROUBLE 159

MAINTENANCE. 163

GUIDES TO MAINTENANCE 164

OUTLINES OF SERVICE 167

OUTLINE OF OIL, FUEL, COOLANT 167
OUTLINE OF ELECTRIC SYSTEM 170
OUTLINE OF HYDRAULIC SYSTEM 170

WEAR PARTS LIST 172

USE FUEL, COOLANT AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE 173

PROPER SELECTION OF FUEL, COOLANT AND LUBRICANTS 173

STANDARD TIGHTENING TORQUES FOR BOLTS AND NUTS 177

INTRODUCTION OF NECESSARY TOOLS 177
TORQUE LIST 178

PERIODIC REPLACEMENT OF SAFETY CRITICAL PARTS 179

SAFETY CRITICAL PARTS 180

MAINTENANCE SCHEDULE CHART 181

..... 181
MAINTENANCE WHEN USING HYDRAULIC BREAKER 186

SERVICE PROCEDURE 187

INITIAL 250 HOURS SERVICE 187
WHEN REQUIRED 188
CHECK BEFORE STARTING 200

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under-carriage	B	A	Max		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
			OF	OS	OF	OS	OF	OS	OF	OS	OF	OS	OF	OS
Without stabilizer	7.5 m	kg	* 2700	* 2700					* 3450	2750				
	6.0 m	kg	* 2200	* 2200			3050	1600	* 3800	2700				
	4.5 m	kg	* 2050	* 2050			3000	1550	* 4700	2500	* 6750	4750		
	3.0 m	kg	* 2050	* 2050			2900	1450	4650	2300	* 7400	4200		
	1.5 m	kg	* 2150	2000			2800	1400	4500	2150	* 7550	3960		
	0.0 m	kg	2450	2050			2800	1400	4500	2150	* 7550	3960		
	-1.5 m	kg	2950	2350			2800	1350	4550	2100	* 8650	3960	* 5800	* 5800
	-3.0 m	kg	3500	3150					4550	2200	* 7200	4100		

.Note for lift capacity tables:
1. Ratings are based on ISO 10567
2. Lifting capacities are given for:
   a) 75% of tipping load
   b) rated hydraulic lift capacity 87% of max.
3. Capacities marked with an asterisk (*) are limited by hydraulic capacities

TWO PIECE BOOM Arm length 2,50 m

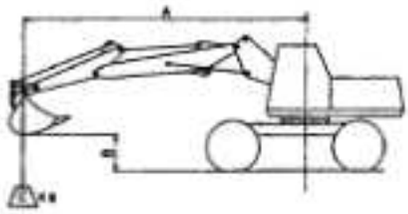
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

A - Reach from swing center

B - Bucket hook height

C - Lifting capacities, including bucket (462 kg),

linkage (84 kg) and bucket cylinder (92 kg)



OF: Lifting capacity (rating overfront)
OS: Lifting capacity (Rating overside)

- Rating over rear

- Rating over side or 360 degrees

- Rating at maximum reach

under carriage	B	A	Max		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
			OF	OS	OF	OS	OF	OS	OF	OS	OF	OS	OF	OS
Blade	7.5 m	kg	* 2100	* 2100					* 3000	* 3000				
	6.0 m	kg	* 1800	1700			* 2900	1950						
	4.5 m	kg	* 1650	1350			* 3000	1950	* 3200	* 3200				
	3.0 m	kg	* 1650	1200	* 2100	1200	* 3400	1900	* 4150	3100	* 5900	* 5900		
	1.5 m	kg	* 1750	1100	2550	1150	3750	1750	* 5150	2800	* 6300	5300		
	0.0 m	kg	* 2000	1150			3650	1700	* 5800	2650	* 5750	4960		
	-1.5 m	kg	* 2400	1300			3600	1850	* 5850	2550	* 8450	4900		
	-3.0 m	kg	* 3300	1700					* 5200	2600	* 7750	5000		

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4. AIR FLOW SELECTOR SWITCH

This switch adjusts air flow in three steps.

Purpose	To "Low"	To "intermediate"	To "High"
Switch	 AN113840	 AN113850	 AN113860

5. AIR CONDITIONER SWITCH 

This is used to switch the air conditioner ON/OFF.

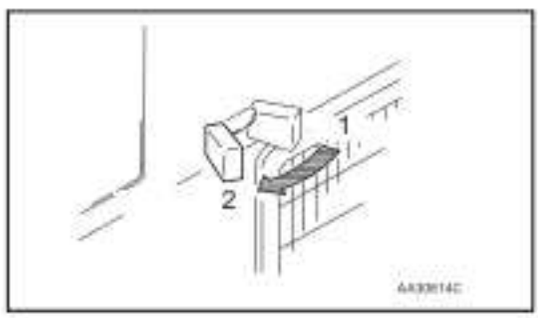
6. OFF SWITCH 

This switch is use to stop the fan.

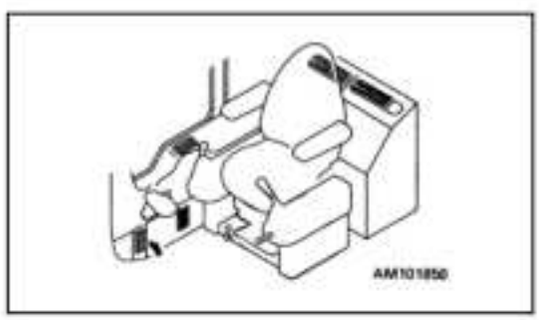
7. DEFROSTER SELECTOR LEVER

This is used to clear the mist from the front glass in cold or rainy conditions.

Selector lever forward: Defroster (2)
Selector lever back: Foot (1)



The defroster can be used when the vent selector panel is at the position.



PRECAUTION WHEN USING AIR CONDITIONER

During cooling, ventilate the air from time to time.

- If operator is smoking during cooling, eyes may occasionally smart. In this case, temporarily change the switch to ventilation/cooling to exhaust the smoke.
- When cooling for a long time period, select ventilation/cooling once an hour.

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EVERY 500 HOURS SERVICE

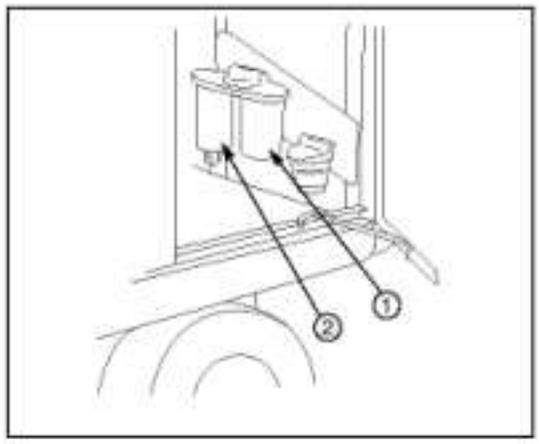
Maintenance for every 50, 100 and 250 hours should be carried out at the same time.

REPLACE FUEL FILTER CARTRIDGES

⚠ WARNING

- **Engine is at high temperature immediately after the machine has been operated. Wait for engine to cool down before replacing the filter.**
- **Keep naked flames - sparks away from fuel.**
- **When cranking the engine, ensure all safety procedures have been followed, as the engine may start.**

FUEL FILTERS ARE LOCATED IN THE LEFT HAND SIDE COMPARTMENT



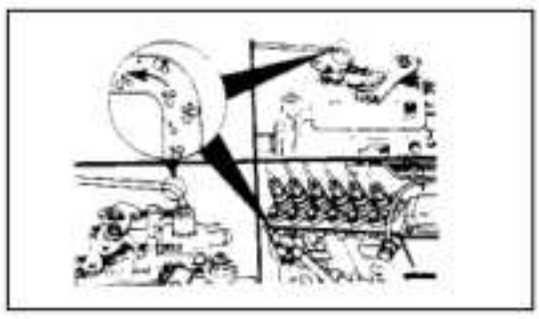
Get a filter wrench and a container to catch the fuel.

1. Set the container to catch the fuel under the filter cartridges.
2. Using a filter wrench, turn filter cartridges (1) and (2) counterclockwise to remove them.
3. Clean the filter holders, fill new filter cartridges with clean fuel, coat the packing surface with engine oil, then install them to the filter holders.
4. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 1/2 to 3/4 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.
5. After replacing the fuel filter cartridges, bleed the air from the system.

Fuel System

Bleeding



Controlled venting is provided at the injection pump through the fuel drain manifold. Small amounts of air introduced by changing the fuel filters or fuel injection pump supply line will be vented automatically, if the fuel filter is changed in accordance with the instructions. No manual bleeding of fuel lines is required.

NOTE: Manual bleeding is required if:

- The fuel filter is not filled prior to installation.

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