TEN00546-00

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC138US -8
PC138USLC-8

SERIAL NUMBERS PC138US- 26416 and up
PC138USLC- 26416

ecot3

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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WINDSHIELD ---- 3- 78
SLIDING DOOR ---- 3- 84
EMERGENCY ESCAPE HAMMER ---- 3- 85
CAP WITH LOCK ---- 3- 86
ENGINE HOOD ---- 3- 87
CAB REAR COVER ---- 3- 88
PUMP ROOM DOOR, BATTERY ROOM DOOR ---- 3- 89
DOOR AT FRONT OF TOOL BOX ---- 3- 90
AIR CONDITIONER CONTROLS ---- 3- 91
RADIO ---- 3-104
FUSE ---- 3-109
FUSIBLE LINK ---- 3-110
AUXILIARY ELECTRIC POWER ---- 3-111
CONTROLLERS ---- 3-112
OPERATION MANUAL STORAGE ---- 3-113
TOOL BOX ---- 3-113
GREASE PUMP HOLDER ---- 3-113
CUP HOLDER ---- 3-113
ASHTRAY ---- 3-114
FIRE EXTINGUISHER ---- 3-114
MACHINE OPERATIONS AND CONTROLS ---- 3-115
BEFORE STARTING ENGINE ---- 3-115
STARTING ENGINE ---- 3-137
AFTER STARTING ENGINE ---- 3-142
STOPPING THE ENGINE ---- 3-153
MACHINE OPERATION ---- 3-154
STEERING THE MACHINE ---- 3-158
SWINGING ---- 3-160
WORK EQUIPMENT CONTROLS AND OPERATIONS ---- 3-161
WORKING MODE ---- 3-163
PROHIBITED OPERATIONS ---- 3-164
GENERAL OPERATION INFORMATION ---- 3-166
TRAVELING ON SLOPES ---- 3-169
ESCAPE FROM MUD ---- 3-171
RECOMMENDED APPLICATIONS ---- 3-172
BUCKET REPLACEMENT AND INVERSION ---- 3-174
PARKING MACHINE ---- 3-177
MACHINE INSPECTION AFTER DAILY WORK ---- 3-178
LOCKING ---- 3-179
ROAD LINERS ---- 3-180
TRANSPORTATION ---- 3-182
TRANSPORTATION PROCEDURE ---- 3-182
LOADING AND UNLOADING WITH TRAILER ---- 3-183
LIFTING MACHINE ---- 3-190
COLD WEATHER OPERATION ---- 3-192
COLD WEATHER OPERATION INFORMATION ---- 3-192
AFTER DAILY WORK COMPLETION ---- 3-194
AFTER COLD WEATHER SEASON ---- 3-194
LONG TERM STORAGE ---- 3-195
BEFORE STORAGE ---- 3-195

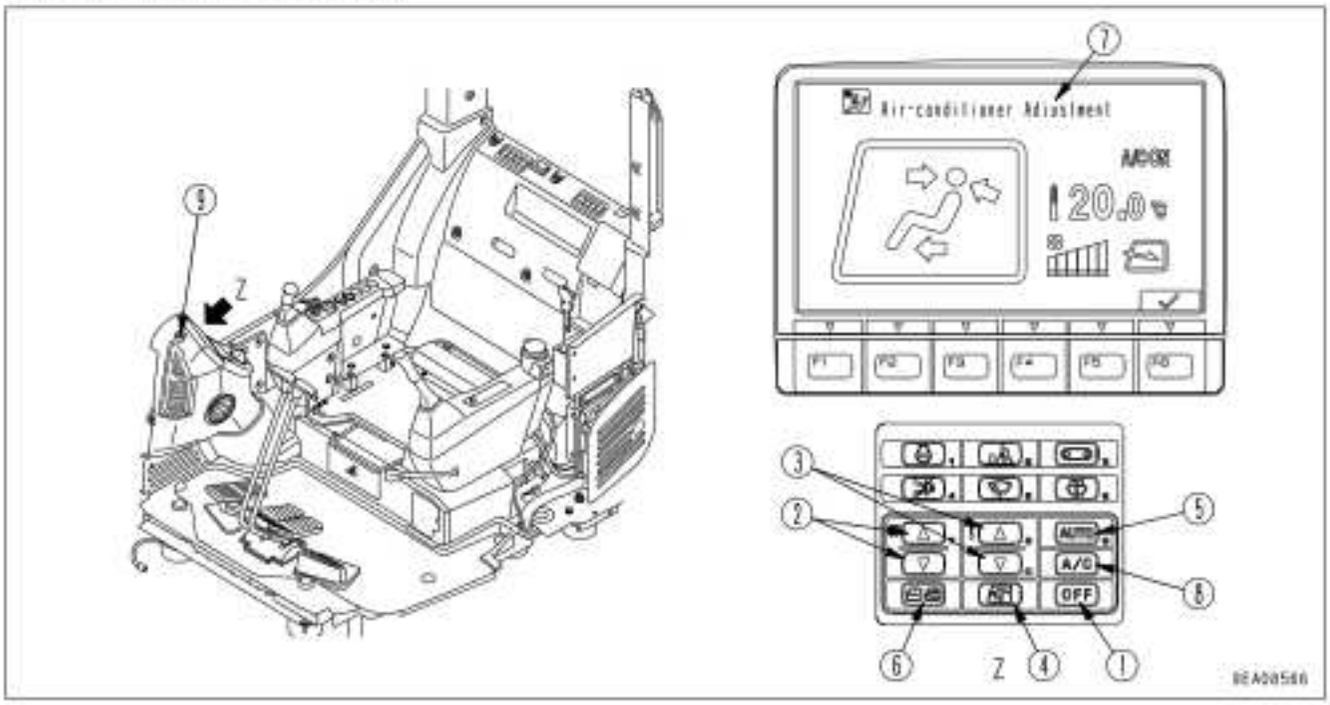
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DURING STORAGE ---- 3-196
AFTER STORAGE ---- 3-196
STARTING MACHINE AFTER LONG-TERM STORAGE ---- 3-196
TROUBLES AND ACTIONS ---- 3-197
RUNNING OUT OF FUEL ---- 3-197
PHENOMENA THAT ARE NOT FAILURES ---- 3-198
TOWING THE MACHINE ---- 3-199
LIGHTWEIGHT TOWING HOOK ---- 3-200
SEVERE JOB CONDITION ---- 3-200
DISCHARGED BATTERY ---- 3-201
OTHER TROUBLE ---- 3-206
MAINTENANCE ---- 4- 1
MAINTENANCE INFORMATION ---- 4- 2
OUTLINE OF SERVICE ---- 4- 4
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC ---- 4- 4
ELECTRIC SYSTEM MAINTENANCE ---- 4- 7
WEAR PARTS ---- 4- 8
WEAR PARTS LIST ---- 4- 8
RECOMMENDED FUEL, COOLANT, AND LUBRICANT ---- 4- 9
USE OF FUEL, COOLANT AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE ---- 4- 10
RECOMMENDED BRANDS, RECOMMENDED QUALITY FOR PRODUCTS OTHER THAN KOMATSU GENUINE OIL ---- 4- 11
TIGHTENING TORQUE SPECIFICATIONS ---- 4- 12
TIGHTENING TORQUE LIST ---- 4- 12
SAFETY CRITICAL PARTS ---- 4- 13
SAFETY CRITICAL PARTS LIST ---- 4- 13
MAINTENANCE SCHEDULE ---- 4- 15
MAINTENANCE SCHEDULE CHART ---- 4- 15
MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER ---- 4- 17
MAINTENANCE PROCEDURE ---- 4- 18
WHEN REQUIRED ---- 4- 18
CHECK BEFORE STARTING ---- 4- 48
EVERY 100 HOURS MAINTENANCE ---- 4- 49
EVERY 250 HOURS MAINTENANCE ---- 4- 51
EVERY 500 HOURS MAINTENANCE ---- 4- 59
EVERY 1000 HOURS MAINTENANCE ---- 4- 68
EVERY 2000 HOURS MAINTENANCE ---- 4- 75
EVERY 4000 HOURS MAINTENANCE ---- 4- 79
EVERY 5000 HOURS MAINTENANCE ---- 4- 81
EVERY 8000 HOURS MAINTENANCE ---- 4- 83
SPECIFICATIONS ---- 5- 1
SPECIFICATIONS ---- 5- 2
ATTACHMENTS AND OPTIONS ---- 6- 1
ATTACHMENTS AND OPTIONS - GENERAL INFORMATION ---- 6- 2
SAFETY FIRST ---- 6- 2
ATTACHMENT INSTALLATION ---- 6- 3
BUCKET WITH HOOK ---- 6- 4
HOOK CONDITION ---- 6- 4
PROHIBITED OPERATIONS ---- 6- 4
MACHINE READY FOR ATTACHMENT ---- 6- 5

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AIR CONDITIONER CONTROLS

Air Conditioner Control Panel



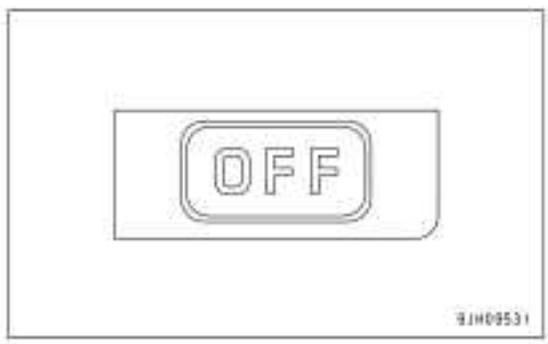
(1) OFF switch
(2) Fan switch
(3) Temperature control switch
(4) Vent selector switch
(5) Auto switch
(6) FRESH/RECIRC selector switch
(7) Display monitor
(8) Air conditioner switch
(9) Sunlight sensor

OFF Switch

Switch (1) is used to stop the fan and air conditioner.

REMARK

Even if this switch (1) is pressed, the monitor screen does not switch to the air conditioner adjustment screen.



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Adjustment

WARNING

- **Adjust the seat position before starting operations or after changing the operator.**
- **Adjust the seat so that the control levers and switches can be operated freely and easily with the operator back against the backrest.**

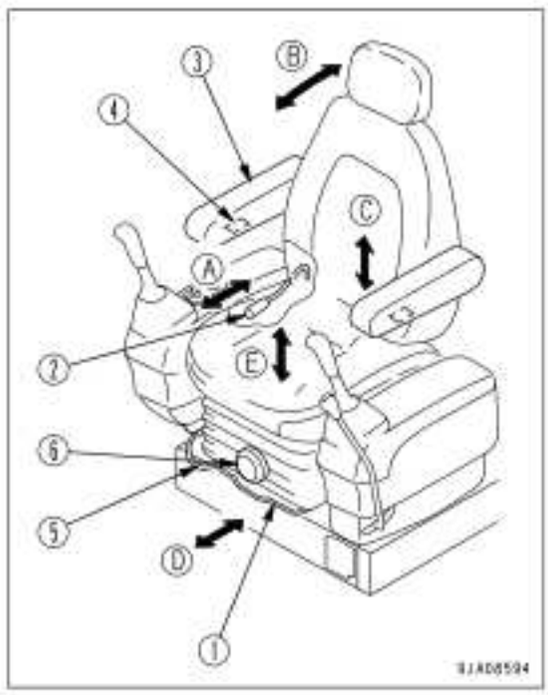
Seat Adjustment

(A) Fore-and-aft adjustment
Pull up lever (1). After the seat is set to the desired position, release the lever.
Adjustable distance:100 mm (3.3 in) in 10 steps

(B) Adjusting reclining

REMARK
The seat can be reclined more when the seat is pushed to the front. The amount of reclining decreases as the seat is pushed back, so when moving the seat back, return the seatback to the upright position.

Pull up lever (2) and set the backrest to a position that is comfortable for operation, then release the lever.
Sit with your back against the seat backrest when adjusting. If your back is not against the backrest, the backrest may suddenly move forward.



(C) Adjusting armrest angle
Armrest (3) can be made to spring up by hand approx. 90°.
In addition, by turning the dial (4) at bottom of armrest by hand it is possible to make fine vertical adjustment of the armrest angle.
Armrest adjustment angle: 25°.

REMARK
If the seat back is tipped to the front without raising the armrest (3), the armrest will rise automatically.

(D) Overall fore-and-aft adjustment of seat
Move lever (5) to right. After the seat is set to the desired position, release the lever (5). In this case, the operator's seat, left and right control levers, and lock lever all slide together.
Amount of adjustment: 120 mm (12 stages)

(E) Adjusting suspension
(Suspension seat)
Adjust the weight adjusting dial to your own weight by turning knob (6) under the operator's seat.
The weight can be adjusted to 50 to 120 kg (110 to 265 lb).
If you want to make the seat softer, turn the weight adjustment to a lower weight; if you want to make the seat harder, adjust to a higher weight. When operating on uneven surfaces, adjust the seat to a harder setting.

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EVERY 4000 HOURS MAINTENANCE

Carry out the EVERY 100 HOURS MAINTENANCE, EVERY 250 HOURS MAINTENANCE, EVERY 500 HOURS MAINTENANCE, EVERY 1000 HOURS MAINTENANCE, and EVERY 2000 HOURS MAINTENANCE at the same time.

CHECK WATER PUMP

Check that there is no play in the pulley, leakage of oil or water, or clogging of the drain hole. If any problem is found, please contact your Komatsu distributor for repairs or replacement.

REPLACE ACCUMULATOR (FOR CONTROL CIRCUIT)

Replace the accumulator every 2 years or every 4000 hours, whichever comes sooner.

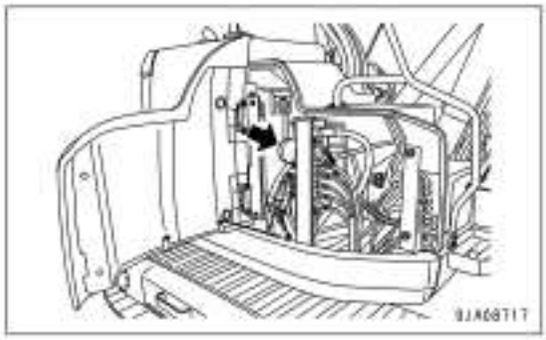
⚠ WARNING

The accumulator is charged with high-pressure nitrogen gas, so mistaken operation may cause an explosion, which will lead to serious injury or damage. When handling the accumulator, always do as follows.

- **The pressure in the hydraulic circuit cannot be completely removed. When removing the hydraulic equipment, do not stand in the direction that the oil spurts out when carrying out the operation. In addition, loosen the bolts slowly when carrying out the operation.**
- **Do not disassemble the accumulator.**
- **Do not bring it near flame or dispose of it in fire.**
- **Do not make holes in it or weld it.**
- **Do not hit it, roll it, or subject it to any impact.**
- **When disposing of the accumulator, the gas must be released. Please contact your Komatsu distributor to have this work carried out.**

If operations are continued after the performance of the accumulator has dropped, it will be impossible to release the remaining pressure in the hydraulic circuit if there should be a failure on the machine. Please ask your Komatsu distributor to replace the accumulator.

The accumulator is installed to the position shown in the diagram on the right.



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