TEN00530-00

# Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

**PC138US -8**
**PC138USLC -8**

SERIAL NUMBERS PC138US- 26284 and up
PC138USLC- 26284

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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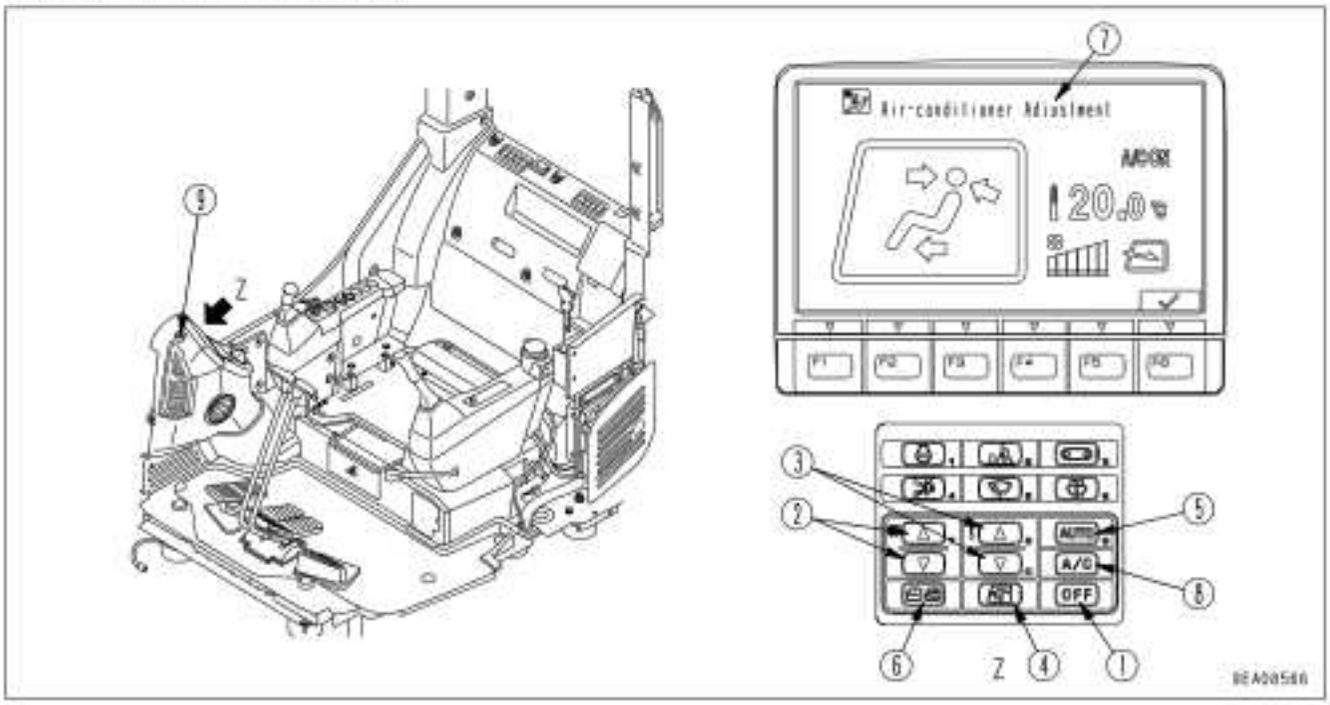
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# AIR CONDITIONER CONTROLS

## Air Conditioner Control Panel



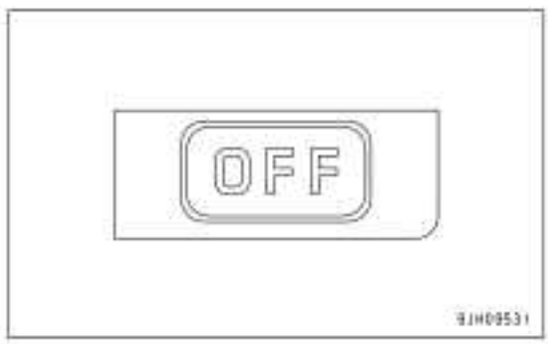

(1) OFF switch
(2) Fan switch
(3) Temperature control switch
(4) Vent selector switch
(5) Auto switch
(6) FRESH/RECIRC selector switch
(7) Display monitor
(8) Air conditioner switch
(9) Sunlight sensor

### 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.**

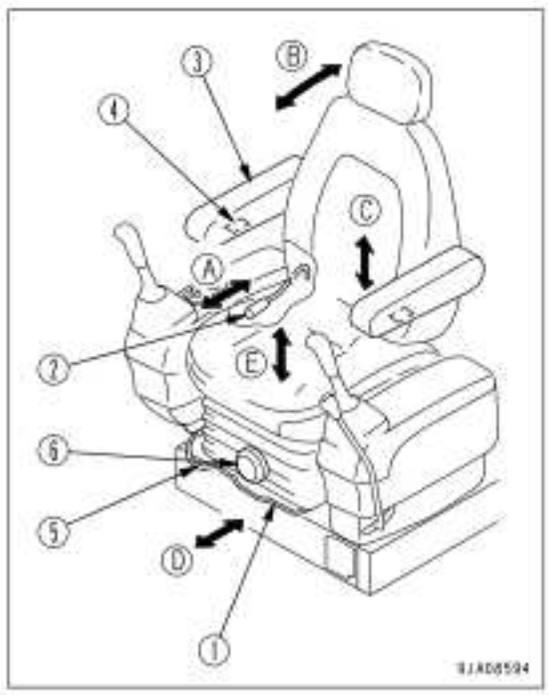
### Seat Adjustment

(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.

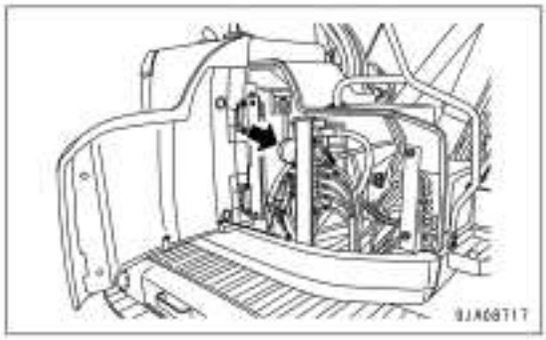
**⚠ WARNING**

**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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