CEAM021203

Operation & Maintenance Manual

PC88MR-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC88MR-8 A90001 and up

ENGINE 4D95LE-5

March 2016

KOMATSU®

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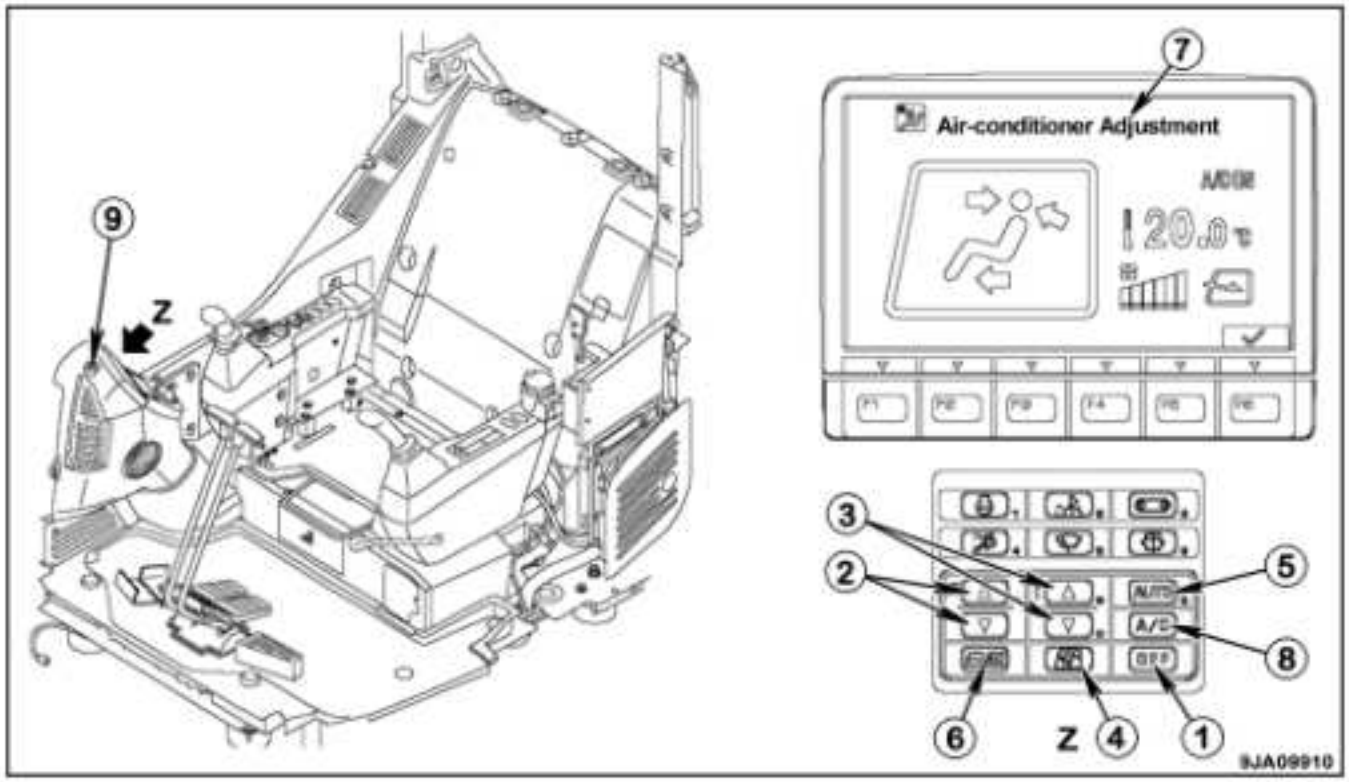
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AIR CONDITIONER CONTROLS

Air Conditioner Control Panel



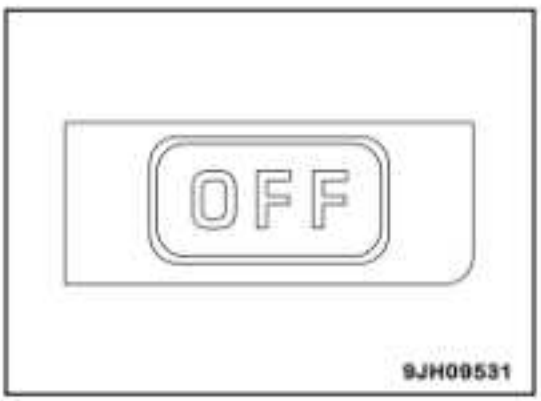
1. OFF switch
2. Fan switch
3. Temperature control switch
4. Vent selector switch
5. Auto switch
6. FRESH/RECIRC selector switch
7. Display monitor
8. Air conditioner switch
9. Sunlight sensor

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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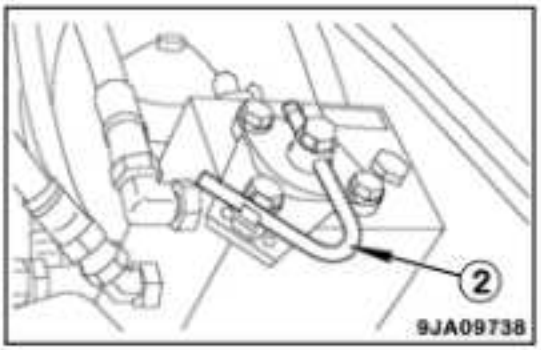
When Using General Attachment Such As Crusher

When this switch is operated, the attachment is actuated.



Precautions When Using

- ★ Check that the working mode is ATT mode.
- ★ Open the front right cover and check that the selector valve is in the General Attachment position (for crusher, etc).
- ★ Open the front right cover and check that the selector valve stopper bar (2) is installed at the General Attachment position (for crusher, etc).
- ★ For other precautions when using attachment, see the instruction manual provided by the attachment manufacture.



Long Term Storage

If the equipment is not to be used for a long time, do as follows.

- Set the selector valve to the position for general attachments such as the crusher.

If there is no breaker or general attachment installed, setting the monitor mode to breaker/attachment and operating the switch will cause overheating and other problems.

Hydraulic Specifications

- Oil flow
  Attachment mode: 125 liters/min (33.0 US gal/min)
  Breaker mode: 80 liters/min (21.1 US gal/min)
- Low pressure safety valve Cranking pressure
  When using breaker: 17.17 MPa (175 kg/cm$_2$, 2490 PSI)
  When using other attachment: 26.51 MPa (270 kg/cm$_2$, 3830 PSI)

TRANSPORTATION

When transporting the machine, observe all related laws and regulations, and be careful to assure safety.

Transportation Procedure

Select the method of transportation to match the weight and dimensions given in "SPECIFICATIONS" on page 4-2.
Note that the weight and dimensions given in SPECIFICATIONS may differ according to the type of shoe or arm, or other attachments.

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EVERY 2000 HOURS MAINTENANCE

★ Maintenance for every 100, 250, 500 and 1000 hours should be carried out at the same time.

Check Alternator, Starting Motor

- The brushes may be worn or the bearing may have run out of grease, contact your Komatsu distributor for inspection and repairs.
- If the engine is started frequently, have this inspection carried out every 1000 hours.

Check Engine Valve Clearance, Adjust

- Special tools are needed for inspection and maintenance, please contact your Komatsu distributor.

Checking Charge Pressure of Nitrogen Gas in Accumulator (For Control Circuit)

⚠ 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 the following.

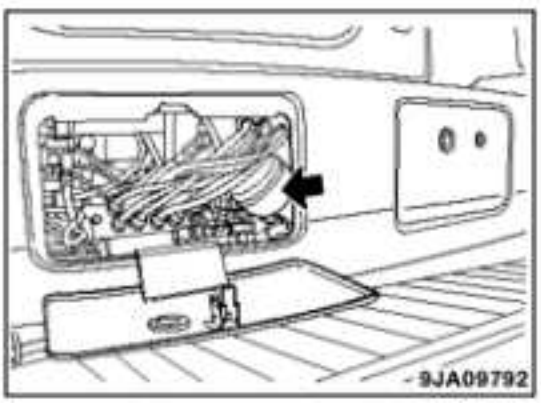
- **The pressure in the hydraulic circuit cannot be completely removed. When removing the hydraulic equipment, do not stand in the direction that the oil spurts out when carrying out the operation. In addition, loosen the bolts slowly when carrying out the operation.**
- **Do not disassemble the accumulator.**
- **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. Contact your Komatsu distributor to have this work carried out.**

Function of Accumulator

The accumulator stores the pressure in the control circuit. Even after the engine is stopped, the control circuit can be operated, so the following actions are possible.

- If the control lever is operated in the direction to lower the work equipment, it is possible for the work equipment to go down under its own weight.
- The pressure in the hydraulic circuit can be released.

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



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