CEAM025700

Operation & Maintenance Manual

PC200LC-8

LATIN AMERICA
HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC200LC-8 A90301 and up

ENGINE SAA6D107E-1

September 2011

KOMATSU®

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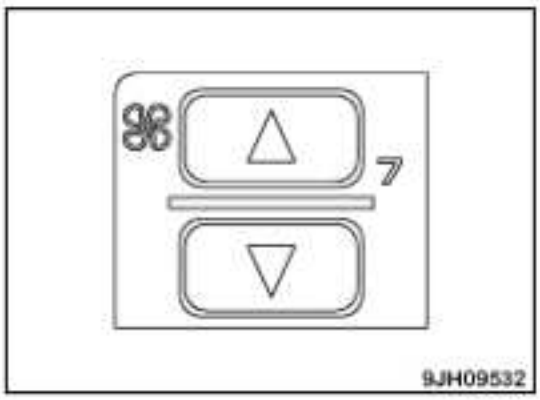
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Fan Switch

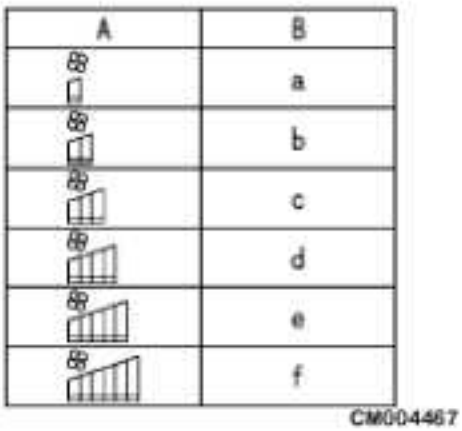


Switch (2) is used to adjust the air flow.

The air flow can be adjusted to six levels.

- Press the Δ switch to increase the air flow; press the ∇ switch to decrease the air flow.
- During auto operation, the air flow is automatically adjusted.

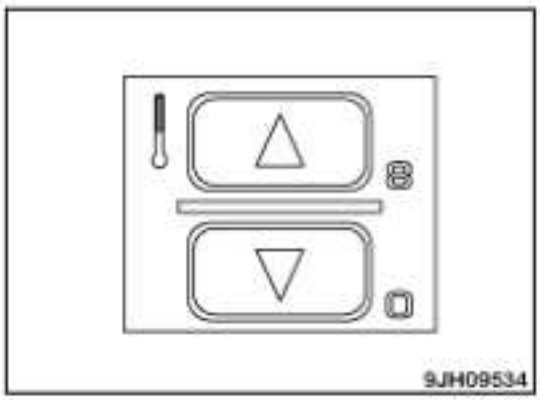
Monitor display and air flow



A: Liquid crystal display
B: Air flow

a: Air flow "low"
b: Air flow "medium 1"
c: Air flow "medium 2"
d: Air flow "medium 3"
e: Air flow "medium 4"
f: Air flow "high"

Temperature Control Switch



Switch (3) is used to control temperature inside the cab. The temperature can be set between 18°C (64.4°F) and 32°C (89.6°F).

- Press the Δ switch to raise the set temperature; press the ∇ switch to lower the set temperature.
- The temperature is generally set at 25°C (77°F).
- The temperature can be set in stages of 0.5°C (0.9°F).

<Monitor display and the function>

Monitor display (°C)	Set temperature
18.0	Max. cooling
18.5 to 31.5	Adjusts temperature inside cab to set temperature
32.0	Max. heating

Remark

If the mode is set to auto mode and the temperature setting is set to 18.0 °C (64.4 °F) and to 32.0 °C (89.6 °F), the air flow from the fan is always set to HIGH and does not change even when the set temperature is reached.

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WORKING MODE

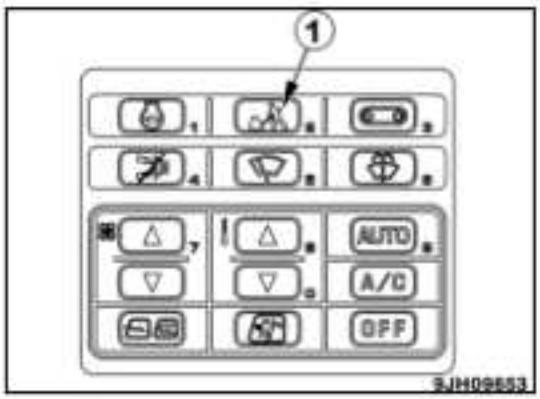
Working Mode Switch

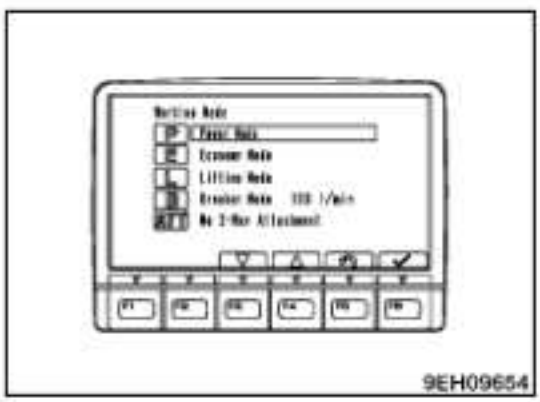
Use working mode selector switch (1) to select the working mode that matches the operating conditions or purpose. This will make it possible to carry out operations efficiently.

Use the following procedure to select the most efficient working mode.

When the starting switch is turned ON, the working mode is set to the mode that was in operation when the starting switch was last turned OFF.

Use the working mode switch to set the mode to the most efficient mode to match the type of work.



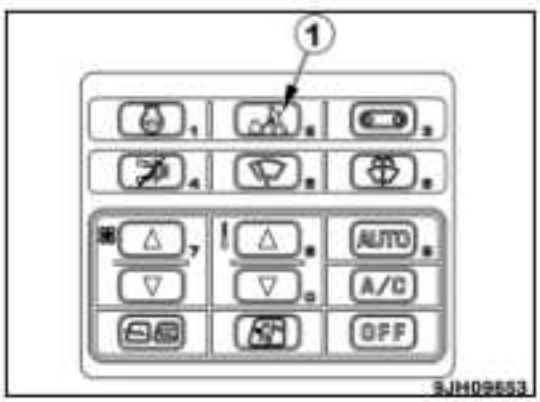


Working mode	Applicable operations
P mode	Normal digging or loading operations (operations with emphasis on production)
E mode	Normal digging or loading operations (operations with emphasis on fuel consumption)
L mode	Aligning position (fine control operations)
B mode	Breaker operations
ATT mode	Operations with the crusher or other double-acting action attachment

Remark

If breaker operations are carried out in a mode other than the breaker mode, there is danger of breakage of the hydraulic equipment. Do not carry out breaker operations in any mode except the breaker mode.

1. If working mode selector switch (1) is pressed, the working mode selection screen is displayed on the monitor.



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Every 1000 Hours Maintenance

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

Replace Hydraulic Oil Filter Element

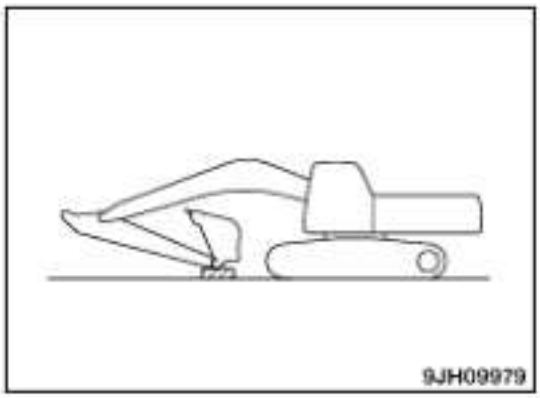
⚠ WARNING

- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

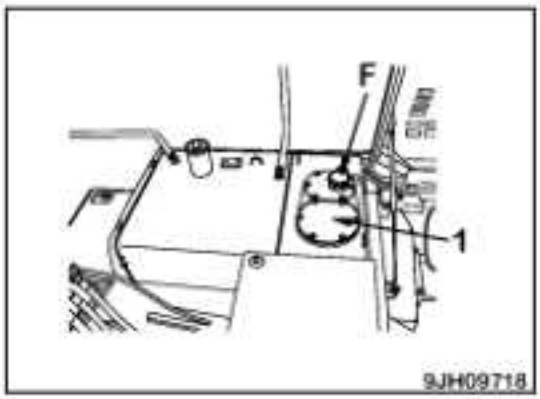
Remark

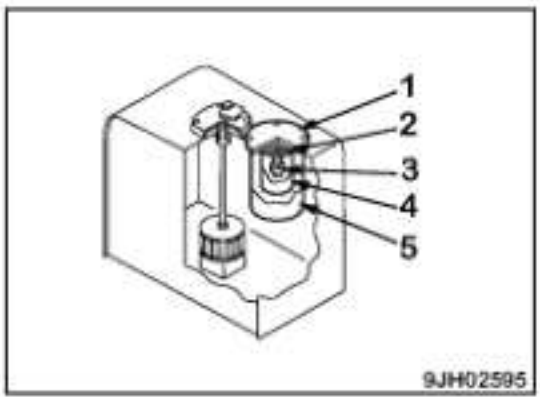
If the machine is equipped with a hydraulic breaker, the hydraulic oil will deteriorate much faster than during normal bucket operations. For details, See "Maintenance Interval for Hydraulic Breaker" on page 3-20 when carrying out maintenance.

1. Set the work equipment on the hard and flat ground in the maintenance posture as shown in the figure, then lower it to the ground and stop the engine.



2. Remove the cap from oil filler (F), and release the internal pressure.
3. Loosen 6 bolts, then remove cover (1). When doing this, the cover may fly out under the force of spring (2), so hold the cover down when removing the bolts.
4. After removing spring (2), valve (3) and strainer (4), take out element (5).
   - Inspect the bottom of the filter case for dirt, and remove it, if any. Take good care not to let dirt fall into the hydraulic tank.
5. Clean the removed parts in diesel oil.
6. Install the new element in the place where old element (5) was installed.
7. Set valve (3), strainer (4) and spring (2) on top of the element.
8. Set cover (1) in position, push it down by hand, and install the cover with the mounting bolts.
9. Screw in the oil filler cap and install the cover.
10. To bleed the air, start the engine according to "STARTING ENGINE" on page 2-134 and run the engine at low idle for ten minutes.
11. Stop the engine.





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