TEN00133-05

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC2000-8

SERIAL NUMBERS 20001 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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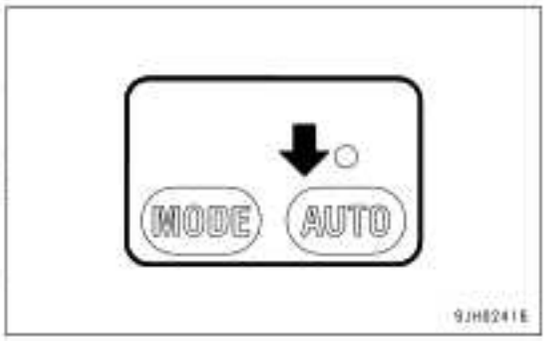
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Auto Switch

This switch (8) automatically changes air volume, vents and air source according to the set temperature.

- When auto switch (8) is pressed, the lamp above the auto switch lights up.
- Press switch (5), then use temperature control switch (3) to set the temperature, and run the air conditioner under automatic control.
- When the control is switched from automatic operation to manual operation, it is possible to operate the to change air flow, vents, and air source (RECIRC/FRESH). When manual control is used, lamp above the auto switch goes out.



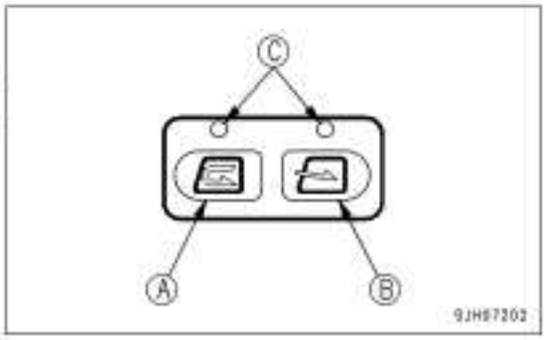
REMARK

When Auto Mode is selected, if the set temperature is set to 18.0 °C (64.4 °F) or 32.0 °C (89.6 °F), the air flow is always set to High, but this is not a problem.

FRESH/RECIRC Selector Switch

Use this switch (5) to select circulation of the air inside the cab or intake of fresh air from the outside.

- When RECIRC button (A) or FRESH button (B) is pressed, lamp (C) above the switch lights up to indicate the source of the air flow.
- During automatic operation, the selection of inside air (RECIRC) and outside air (FRESH) is performed automatically.

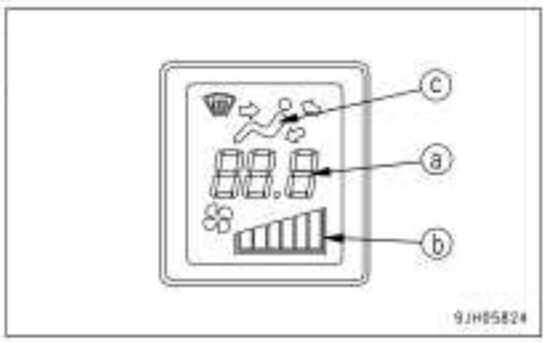


RECIRC	Outside air is shut off and only air inside the cab is circulated. Use this setting to perform rapid cooling of the cab or when outside air is dirty.
FRESH	Outside air is taten into the cab. Use this setting to take in fresh air when performing demisting.

Display Monitor

Display monitor (6) shows temperature setting (a), air flow (b), and vent selection (c).

- When OFF switch (1) is pressed, the display of temperature setting (a) and air flow (b) goes out, and operation stops.



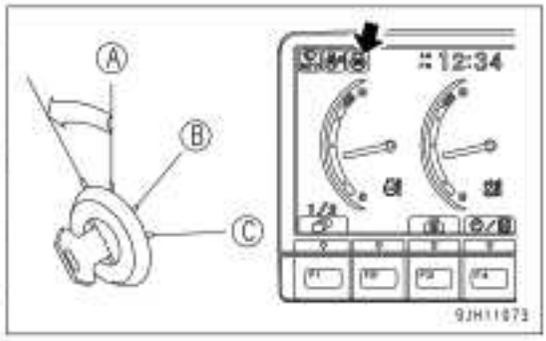
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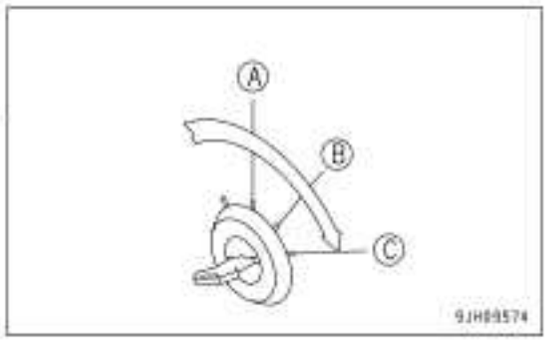
REMARK

Regardless of the ambient temperature, it is possible to start the engine preheating manually.

1. Turn the key in starting switch (3) to the left from OFF position (A). The preheating monitor lights up and engine preheating starts.
   (Preheating continues while the key in starting switch (3) is held at the left position.)
2. The preheating monitor starts lighting about 30 seconds after preheating starts and then goes off in about 10 seconds.
3. After the preheating monitor goes off, turn the key in starting switch (3) to START position (C). The engine will start.

If the engine cannot be started with the above procedure, wait for at least two minutes, then start again from Step 1.





Turbo protect function

The turbo protect function is a function to protect the turbocharger by keeping the engine speed at less than 1000 rpm immediately after the engine is started.

- When the turbo protect function is actuated, the engine speed is held at less than 1000 rpm, regardless of the position of the fuel control dial.
- When the turbo protect function is actuated, the engine speed is held at less than 1000 rpm, even if the fuel control dial is operated.
- When the turbo protect function is canceled, the engine speed is set to the speed for the position of the fuel control dial.
- The relationship between the length of time of actuating the turbo protect function and the temperature of the engine coolant is as shown in the table.

Coolant temperature	Turbo protect time (sec.)
Above 10°C (50°F)	0
10 to -30°C (50 to -22°F)	Change 0 to 20
below -30°C (22°F)	20

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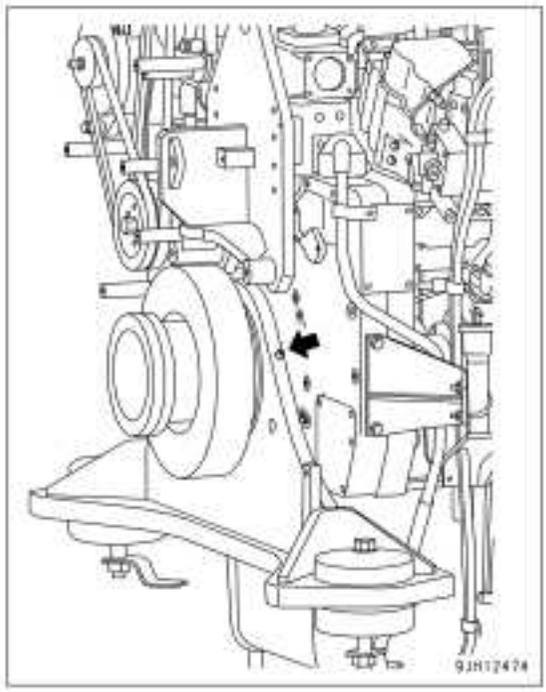
EVERY 4000 HOURS MAINTENANCE

Maintenance for every 250, 500, 1000 and 2000 hours service should be carried out at the same time.

GREASE ENGINE MOUNT

(if equipped)

Add grease with a grease gun through grease fitting (2) on engine mount (1).



CHECK WATER PUMP

Check that there is no leakage of water from around the water pump. If there is any problem, ask your Komatsu distributor to carry out disassembly and repair or replacement.

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