TEN00161-04

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC228US -3E0
PC228USLC -3E0

SERIAL NUMBERS 40001 and up

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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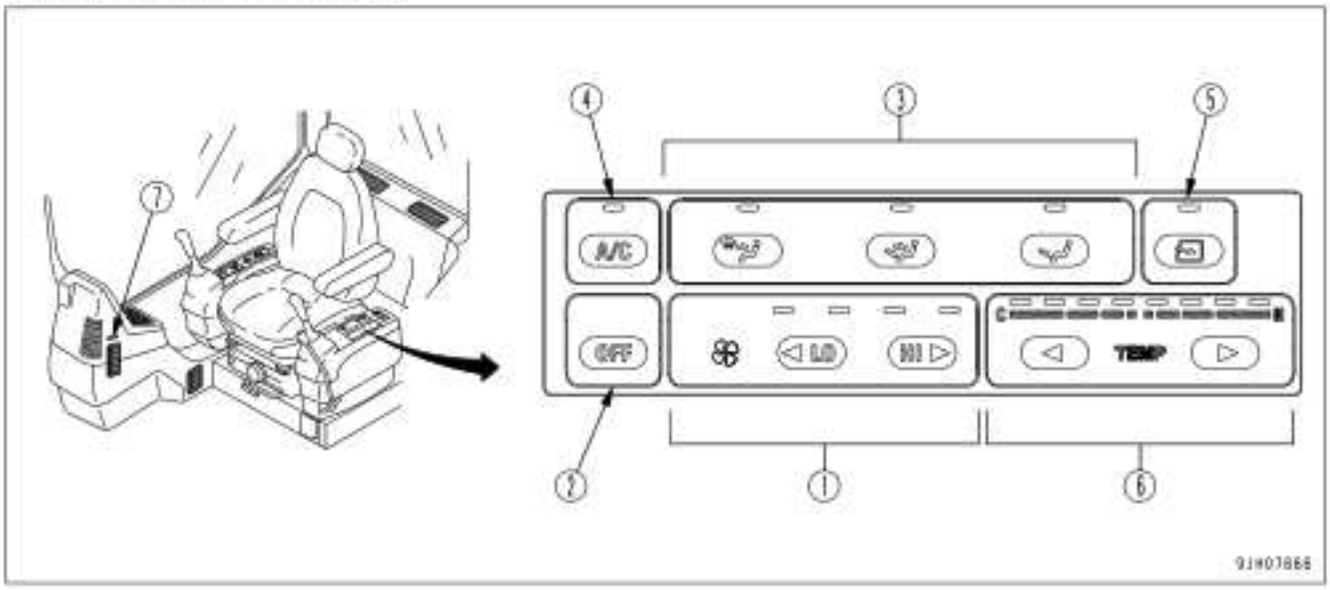
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AIR CONDITIONER CONTROLS

Air Conditioner Control Panel

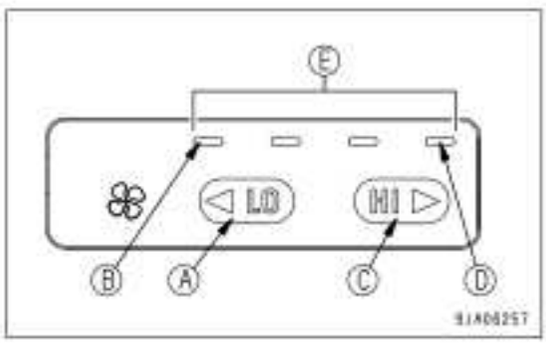


(1) Fan switch
(2) Off switch
(3) Vent selector switch
(4) Air conditioner switch
(5) FRESH/RECIRC selector switch
(6) Temperature control switch
(7) Defroster selector lever

Fan Switch

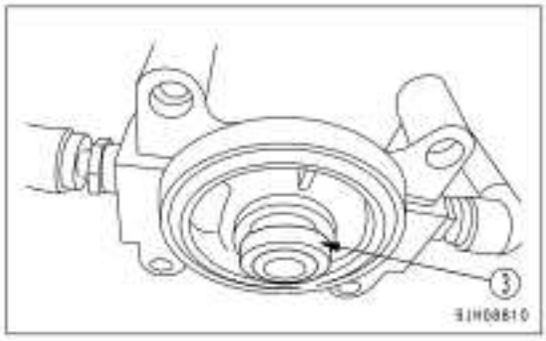
This switch (1) is used to start the fan and to adjust the air flow. It is also used as the main switch for the air conditioner.

- When LO switch (A) is pressed, indicator lamp (B) lights up and the fan starts with the minimum air flow.
- When HI switch (C) is pressed, indicator lamp (D) lights up and the fan starts with the maximum air flow.
- After the fan has been started, if LO switch (A) is pressed, the air flow becomes weaker, and if HI switch (C) is pressed, it becomes stronger.
  It is possible to check the force of the air flow with indicator (E). The further the lighted indicator lamp is to the (B) end, the weaker the air flow is; the further it is to the (D) end, the stronger the air flow is.



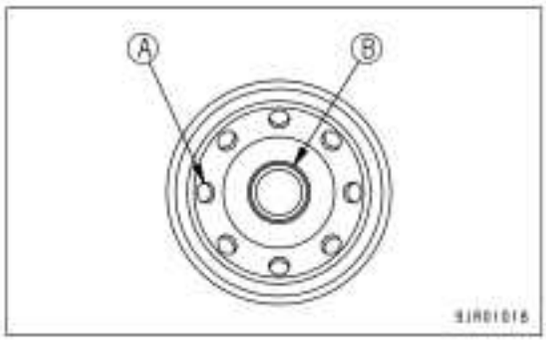
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- Replace inner seal (3) with a new part.



NOTICE

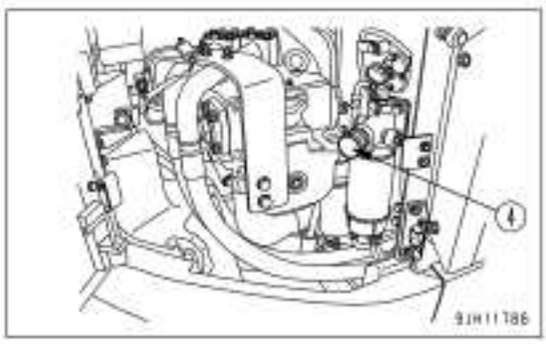
- **Do not fill the new filter cartridge with fuel.**
- **Remove cap (B) and install the filter cartridge.**



6. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it 3/4 of a turn.
   If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten the correct amount.
7. Turn the valve (1) at the bottom of the fuel tank to the OPEN position (O).
8. After completing the replacement of filter cartridge (2), bleed the air.

Bleed the air as follows:

9. Fill the fuel tank with fuel (to the position where the float is at the highest position).
10. Loosen the knob of feed pump (4), pull it out, then pump it in and out until the movement becomes heavy.



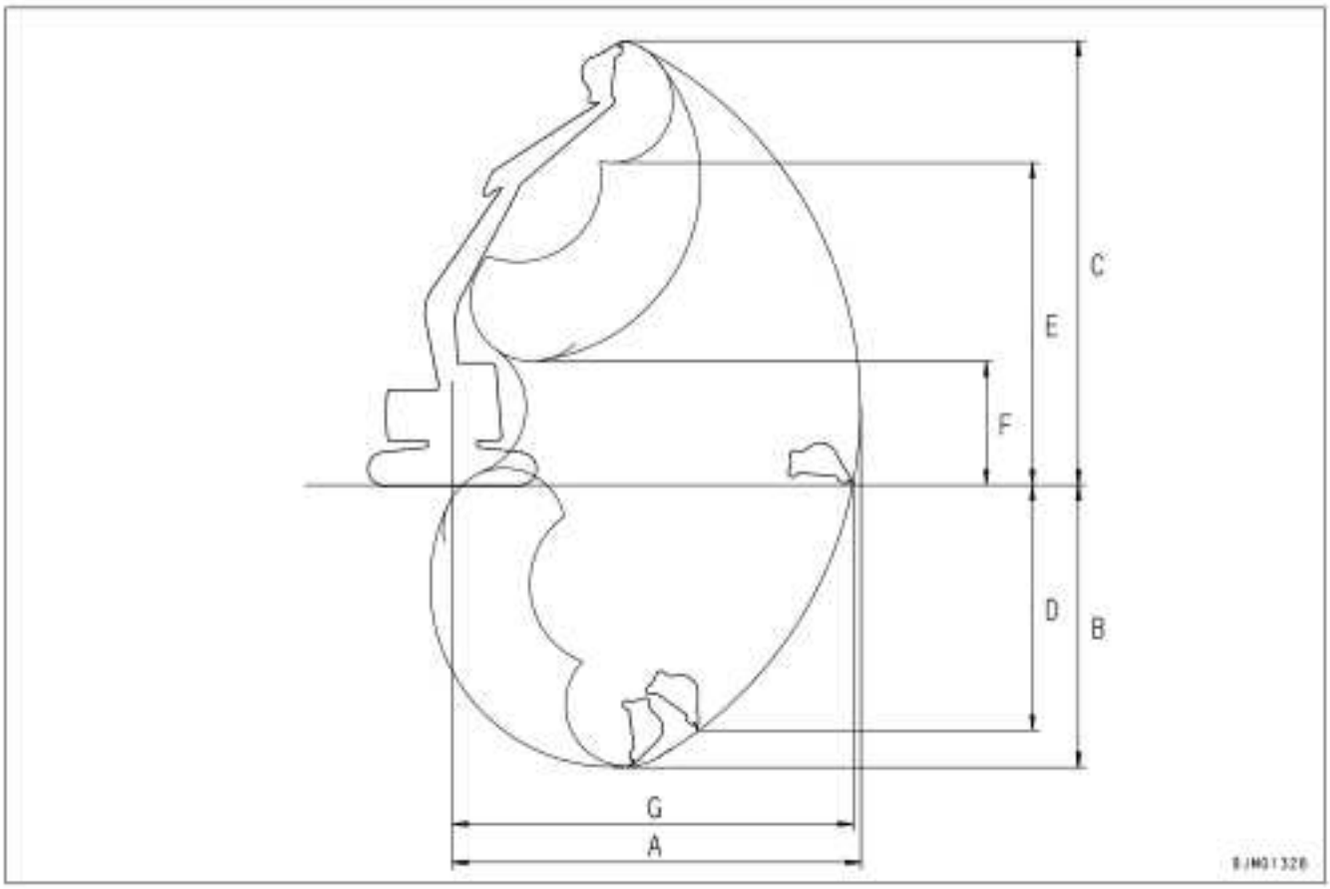
REMARK

- It is not necessary to remove the plug at the top of the fuel pre-filter and fuel main filter.
- After the engine runs out of fuel, use the same procedure to operate feed pump (4) and bleed the air.

11. Push in the knob of feed pump (4) and tighten it.
12. After replacing the filter cartridge, start the engine and run it at low idling for 10 minutes.
    Check for leakage of oil from the filter seal surface. If any oil is leaking, check the tightening of the filter cartridge. If there is still oil leakage, repeat Steps 1 - 4 to remove the filter cartridge, and if any damage or embedded foreign material in the packing surface is found, replace it with a new cartridge and repeat Steps 5 - 12 to install it.

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	Working ranges	Unit	PC228US-3E0	PC228USLC-3E0
A	Max. digging reach	mm (ft in)	9,875 (32' 5")	9,875 (32' 5")
B	Max. digging depth	mm (ft in)	6,620 (21' 9")	6,620 (21' 9")
C	Max. digging height	mm (ft in)	10,700 (35' 1")	10,700 (35' 1")
D	Max. vertical wall digging depth	mm (ft in)	5,980 (19' 7")	5,980 (19' 7")
E	Max. dumping height	mm (ft in)	7,825 (25' 8")	7,825 (25' 8")
F	Min. dumping height	mm (ft in)	2,940 (9' 8")	2,940 (9' 8")
G	Max. digging reached at ground level	mm (ft in)	9,700 (31' 10")	9,700 (31' 10")



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