Operation & Maintenance Manual

UEAM000502

PW170ES-6K

HYDRAULIC EXCAVATOR

SERIAL NUMBER
PW170ES-6K - K34001 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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2. Lifting capacities are given for:
   a) 75% of tipping load
   b) rated hydraulic lift capacity 87% of max.
3. Capacities marked with an asterisk (*) are limited by hydraulic capacities

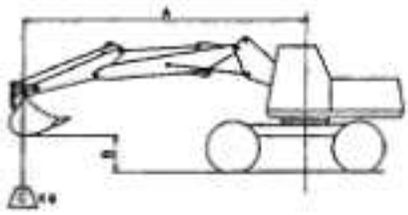
ROTATING ARM

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

A - Reach from swing center

B - Bucket hook height

C - Lifting capacities, including bucket (462 kg), linkage (84 kg) and bucket cylinder (92 kg)



OF: Lifting capacity (rating overfront)
OS: Lifting capacity (Rating overside)

- Rating over rear

- Rating over side or 360 degrees

- Rating at maximum reach

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4. AIR FLOW SELECTOR SWITCH

This switch adjusts air flow in three steps.

Purpose	To "Low"	To "intermediate"	To "High"
Switch	 AN113840	 AN113850	 AN113860

5. AIR CONDITIONER SWITCH 

This is used to switch the air conditioner ON/OFF.

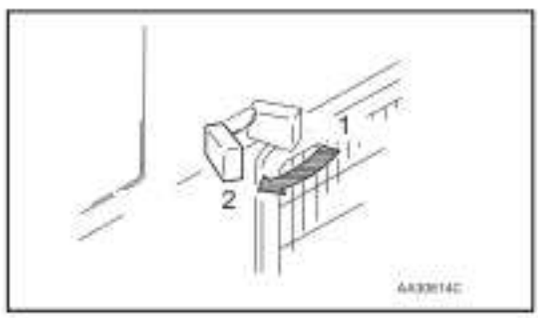
6. OFF SWITCH 

This switch is use to stop the fan.

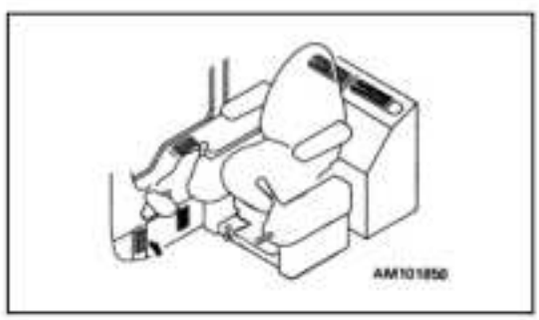
7. DEFROSTER SELECTOR LEVER

This is used to clear the mist from the front glass in cold or rainy conditions.

Selector lever forward: Defroster (2)
Selector lever back: Foot (1)



The defroster can be used when the vent selector panel is at the position.



PRECAUTION WHEN USING AIR CONDITIONER

During cooling, ventilate the air from time to time.

- If operator is smoking during cooling, eyes may occasionally smart. In this case, temporarily change the switch to ventilation/cooling to exhaust the smoke.
- When cooling for a long time period, select ventilation/cooling once an hour.

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EVERY 500 HOURS SERVICE

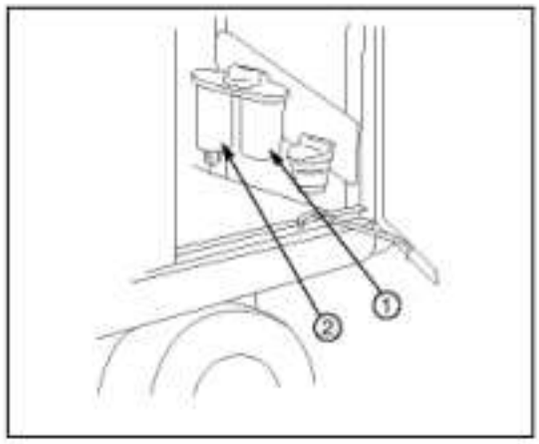
Maintenance for every 50, 100 and 250 hours should be carried out at the same time.

REPLACE FUEL FILTER CARTRIDGES

⚠ WARNING

- **Engine is at high temperature immediately after the machine has been operated. Wait for engine to cool down before replacing the filter.**
- **Keep naked flames - sparks away from fuel.**
- **When cranking the engine, ensure all safety procedures have been followed, as the engine may start.**

FUEL FILTERS ARE LOCATED IN THE LEFT HAND SIDE COMPARTMENT



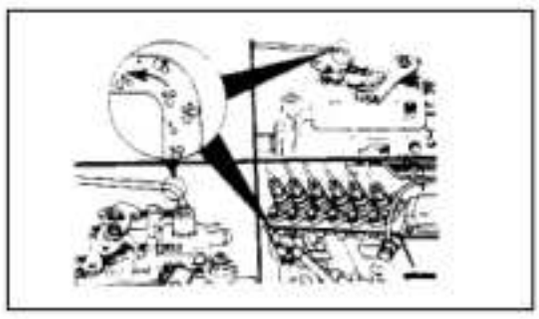
Get a filter wrench and a container to catch the fuel.

1. Set the container to catch the fuel under the filter cartridges.
2. Using a filter wrench, turn filter cartridges (1) and (2) counter-clock-wise to remove them.
3. Clean the filter holders, fill new filter cartridges with clean fuel, coat the packing surface with engine oil, then install them to the filter holders.
4. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 1/2 to 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 to the correct amount.
5. After replacing the fuel filter cartridges, bleed the air from the system.

Fuel System

Bleeding



Controlled venting is provided at the injection pump through the fuel drain manifold. Small amounts of air introduced by changing the fuel filters or fuel injection pump supply line will be vented automatically, if the fuel filter is changed in accordance with the instructions. No manual bleeding of fuel lines is required.

NOTE: Manual bleeding is required if:

- The fuel filter is not filled prior to installation.

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