TEN00148-03

# Operation & Maintenance Manual

GALEO

# PC270-8

## HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC270-8 20001 and up

March 2007

KOMATSU

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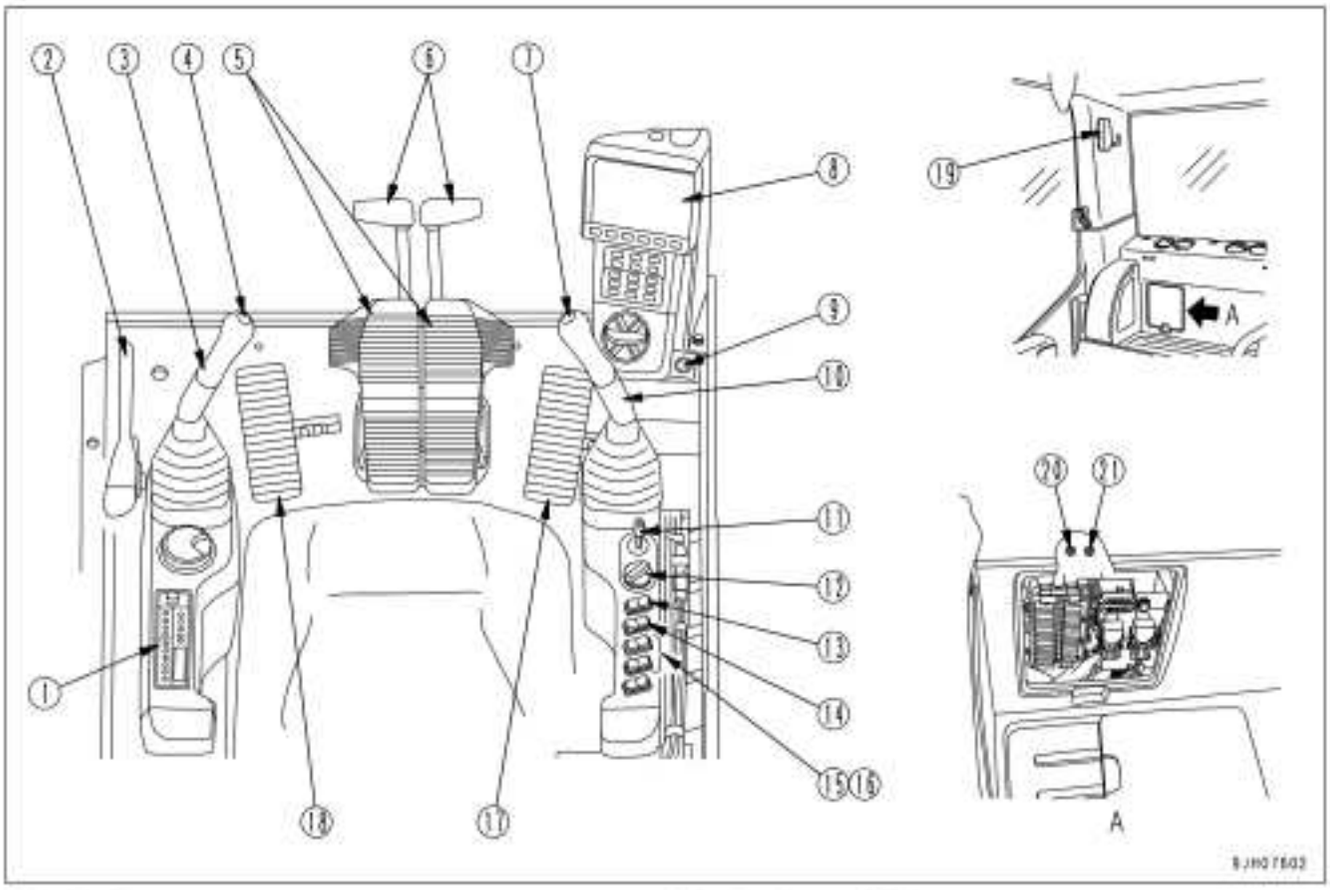
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## CONTROLS AND GAUGES




(1) Radio
(2) Lock lever
(3) Left work equipment control lever
(4) One-touch power max. switch
(5) Travel pedals
(6) Travel levers
(7) Horn switch
(8) Machine monitor
(9) Cigarette Lighter
(10) Right work equipment control lever
(11) Starting switch
(12) Fuel control dial
(13) Lamp switch
(14) Swing lock switch
(15) Revolving warning lamp switch (if equipped)
(16) Large Capacity Airflow Air Conditioner Blower Switch (if equipped)
(17) Attachment control pedal (if equipped)
(18) Attachment control pedal (if equipped)
(19) Room Lamp Switch
(20) Emergency pump drive switch
(21) Swing parking brake releasel switch



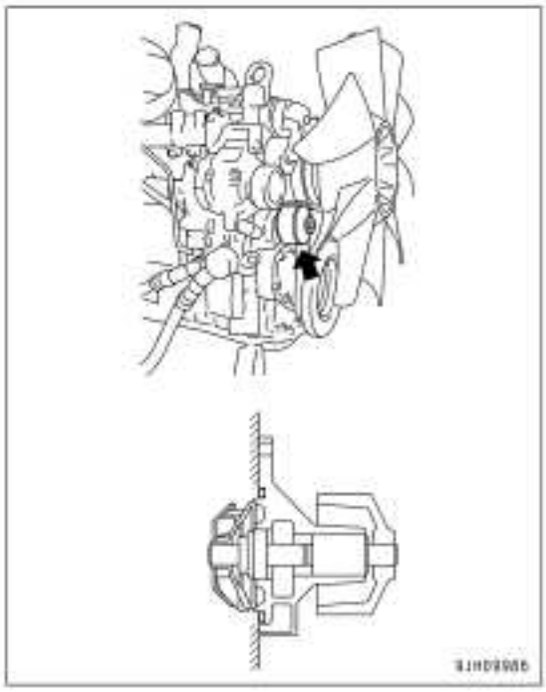
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## EVERY 4000 HOURS MAINTENANCE

Carry out the periodic maintenance work of every 100,250, 500, 1000 and 2000 hours of operation at the same time.

### CHECK WATER PUMP

Check for leakage of water and oil around the water pump. If any problem is found, please ask your Komatsu distributor to carry out disassembly, repair, or replacement.

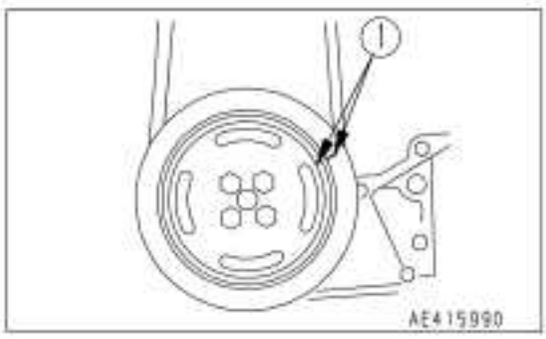


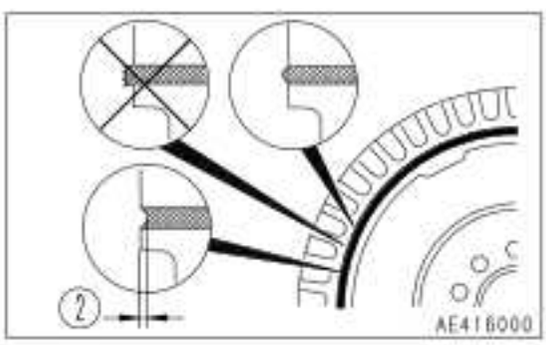
### CHECK VIBRATION DAMPER

For the check and replacement of the vibration damper, special tools are required. Contact Komatsu Ltd. or its distributor in the territory for the replacement. It has to be replaced with a new one in the following cases.

Mating mark (1) is notched both on the damper hub and on the inertia member of the vibration damper to show any misalignment between the two.

If this misalignment exceeds 1.6 mm (0.063 in), or if there is any dent found on the damper metal surface deeper than 3.2 mm (0.1 in), then (2) the vibration damper must be replaced.




### CHECK STARTING MOTOR

Contact your Komatsu distributor to have the starting motor checked.

If the engine is started frequently, have this inspection carried out every 1000 hours.



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## LONG TERM STORAGE

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

- Set the stop valve in the LOCK condition.
- Install the plug to the valves.
- Set the lock pin at the LOCK position.

If there is no breaker or general attachment installed, operating the pedal may cause overheating and other problems.

## SPECIFICATIONS

Hydraulic specifications

- Max. flow at merge: 214 x 2 liters / min
- Safety valve relief set pressure for service valve: 27.4 MPa (280 kgf/cm$^2$, 3980 PSI)(except B mode)
- Safety valve cracking pressure for service valve: 24.5 MPa (250 kgf/cm$^2$, 3550 PSI)(except B mode)
- Safety valve relief set pressure for service valve: 20.6 MPa (210 kgf/cm$^2$, 2980 PSI)(B mode)
- Safety valve cracking pressure for service valve: 15.2 MPa (155 kgf/cm$^2$, 2200 PSI)(B mode)

In addition, valves with a safety valve relief set pressure of 24.5 MPa (250 kgf/cm$^2$, 3550 PSI) and relief valve cracking pressure of 20.1 MPa (205 kgf/cm$^2$, 2911 PSI) are also avilable so please contact your Komatsu distributor.



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