TEN00651-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

HB215LC-2

SERIAL NUMBERS 50001 and up

Hybrid

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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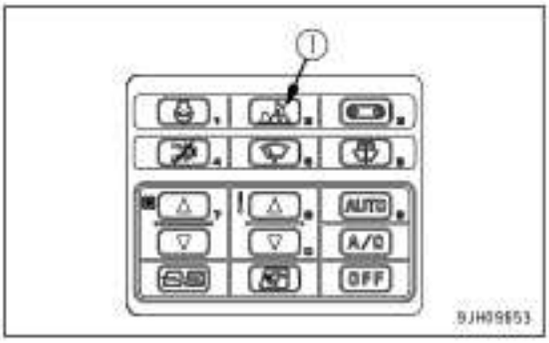
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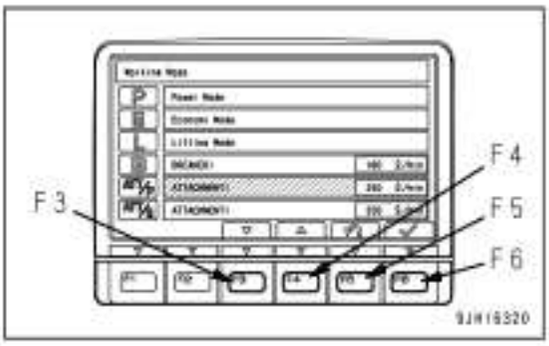
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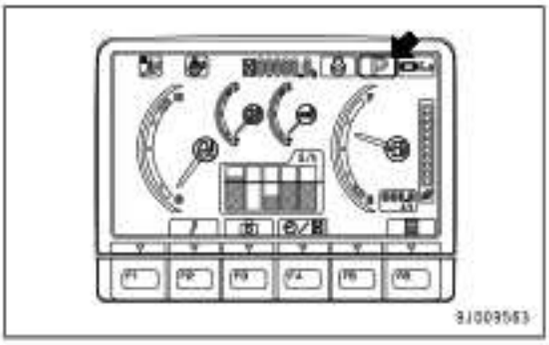
1. When working mode selector switch (1) is pressed, the screen switches to the working mode selection screen.

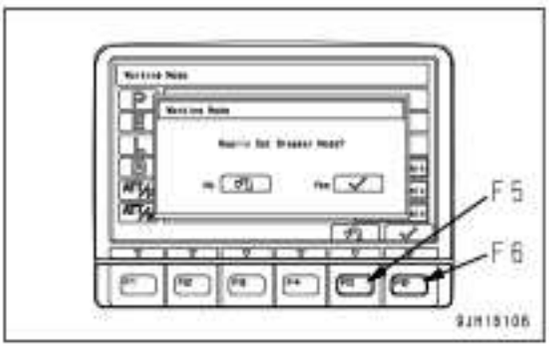


2. Press the working mode selector switch or, switches F3 or F4 to select the appropriate mode.



3. After selecting the desired mode, press switch F6 to accept the change. The screen returns to the standard screen.
   If switch F5 is pressed, the screen returns to the standard screen without changing the mode.
   - If a working mode is selected, and nothing is done for 5 seconds, the selected working mode is automatically accepted and the screen returns to the standard screen.
   - If a working mode is selected and working mode switch (1) is kept pressed, the selected mode is accepted and the screen returns to the standard screen.
   - If the breaker mode is selected, "Really Set Breaker Mode?" is displayed on the screen.
     To set to the breaker mode, press switch F6.
     If switch F5 is pressed, the screen returns to the working mode selection screen.





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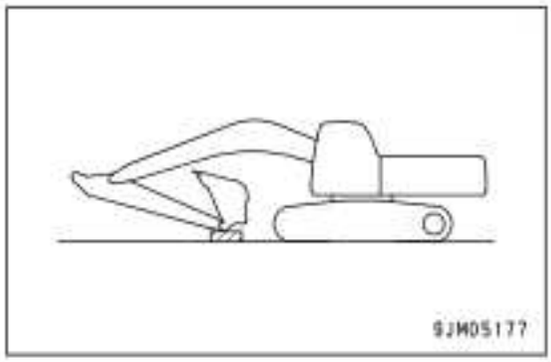
EVERY 100 HOURS MAINTENANCE (ALL-3340-001-A-00-A)

LUBRICATION (PC-LUB-242-K-01-A)

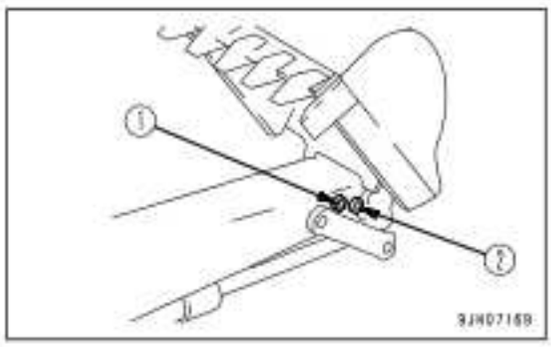
NOTICE

- **If any abnormal noise is generated from any greasing point, carry out greasing regardless of the greasing interval.**
- **Carry out greasing every 10 hours for the first 50 hours of operation on a new machine.**
- **After the machine is subjected to digging work in the water, be sure to grease the wet pins.**

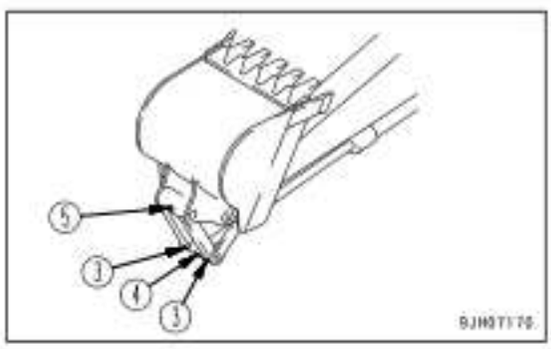
1. Set the machine to the greasing posture shown on the right, lower the work equipment to the ground, then stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. After greasing, wipe off any old grease that is pushed out.



(1) Arm - Link connection pin (1 place)
(2) Arm - Bucket connection pin (1 place)



(3) Boom foot pin (2 places)
(4) Bucket cylinder rod end Link connection pin (1 place)
(5) Bucket - Link connection pin (1 place)



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HYDRAULIC CIRCUIT (HB205-RA18-043-K-01-A)

NOTICE

- **The return circuit when a breaker is installed must return directly to the return filter, so do not use it in the mode other than B mode.**
- **The standard set pressure of the safety valve of the service valve is 20.6 MPa (210 kg/cm², 2,990 PSI) if B mode is selected when shipped from the plant, and 27.4 MPa (280 kg/cm², 3,980 PSI) if ATT/P or ATT/E mode is selected. Depending on the attachment, it may be necessary to adjust the pressure. Ask your Komatsu distributor for the adjustment.**

Switching the hydraulic circuit

- Depending on the type of attachment, set the working mode on the monitor as follows.
- The hydraulic circuit and the set pressure of the safety valve in the service valve switch according to the working mode selected.

Attachment	Working mode	Hydraulic circuit	Set pressure of safety valve of service valve Safety valve set pressure
Breaker or other attachment with 1-way circuit	B mode	Return circuit automatically becomes the circuit that does not pass through control valve	Factory default 20.6 MPa (210 kg/cm², 2,990 PSI)
Crusher or other attachment with 2-way circuit	ATT/P or ATT/E mode	Return circuit automatically becomes the circuit that does not pass through control valve	Factory default 27.4 MPa (280 kg/cm², 3,980 PSI)

Depending on the attachment, it is necessary to change the oil flow in the service circuit.
For setting of the flow, see "OPERATION (PAGE 6-19) ".

Switching of breaker and general attachment

- When optional attachment is installed and working mode is set to B mode
  (1) Breaker circuit (1-way circuit) is formed.
  (2) Hydraulic oil flowing through breaker circuit passes through additional filter for breaker.
  (3) Relief valve is set to low pressure.
  When shipped, it is 20.6 MPa (210 kg/cm², 2,990 PSI).
  (4) Maximum oil flow can be adjusted in user mode.
- If ATT/P or ATT/E mode is turned on when the optional attachment is installed
  (1) Crusher circuit (2-way circuit) is formed.
  (2) Hydraulic oil flowing through crusher circuit does not pass through additional filter for breaker.
  (3) Relief valve is set to high pressure.
  When shipped, it is 27.4 MPa (280 kg/cm², 3,980 PSI).
  (4) Maximum oil flow can be adjusted in user mode.

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