TEN00593-04

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC130-8

SERIAL NUMBERS 84177 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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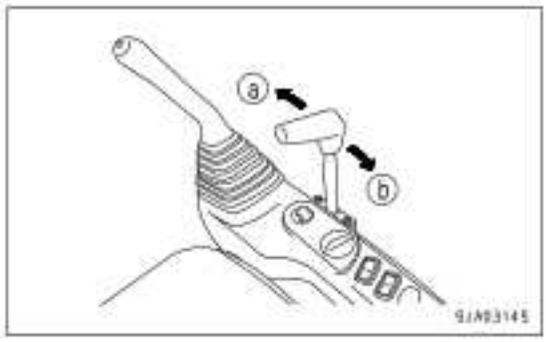
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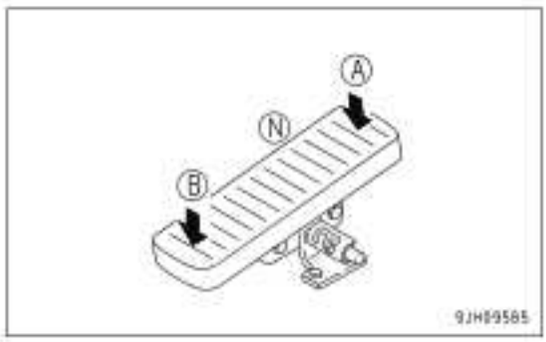
For attachment operations (if equipped), change the working mode to the attachment mode.



- Blade operation LOWER (a) ⟷ RAISE (b)

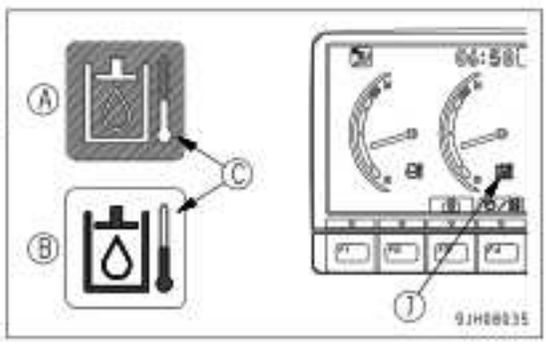


- Attachment operation One way (A) ⟷ Other way (B)



18. Check that hydraulic oil temperature monitor (7) is displaying the correct temperature.
    If the hydraulic oil temperature monitor is not displaying the correct temperature (it is displaying low temperature), repeat steps 6 to 10 until the display is the correct temperature.

    (A) Display when temperature is normal: Monitor background (C) is blue
    (B) Display when temperature is low: Monitor background (C) is white



If the hydraulic oil temperature monitor displays the correct temperature, the hydraulic equipment warm-up operation is completed.
After confirming that the hydraulic oil temperature monitor displays the correct temperature, perform the following procedure.

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MAINTENANCE INFORMATION

Do not perform any inspection and maintenance operation that is not found in this manual.

Service Meter Reading
Check the service meter reading every day to see if the time has come for any necessary maintenance to be performed.

Komatsu Genuine Replacement Parts
Use Komatsu genuine parts specified in the Parts Book as replacement parts.

Komatsu Genuine Lubricants
For lubrication of the machine, use the Komatsu genuine lubricants. Moreover use oil of the specified viscosity according to the ambient temperature.

Windshield Washer Fluid
Use automobile window washer fluid, and be careful not to let any dirt get into it.

Fresh and Clean Lubricants
Use clean oil and grease. Also, keep the containers of the oil and grease clean. Keep foreign materials away from oil and grease.

Check Drained Oil and Used Filter
After oil is changed or filters are replaced, check the old oil and filters for metal particles and foreign materials. If large quantity of metal particles or foreign materials are found, always report to the person in charge, and perform suitable action.

Fuel Strainer
Do not remove the strainer from the filler port when adding fuel.

Welding Instructions
- Cut off power. Wait for approximately 1 minute after turning off the engine starting switch key, and then disconnect the negative (-) terminal of the battery.
- Do not apply more than 200 V continuously.
- Connect grounding cable within 1 m (3 ft 3 in) of the area to be welded. If grounding cable is connected near instruments, connectors, etc., the instruments may malfunction.
- If a seal or bearing happens to come between the part being welded and grounding point, change the grounding point to avoid such parts.
- Do not use the area around the work equipment pins or the hydraulic cylinders as the grounding point.

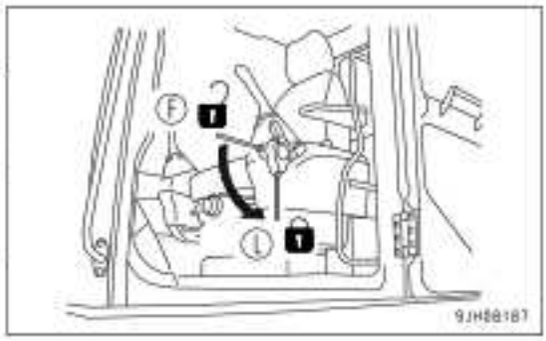
Do not Drop Things Inside Machine
- When opening inspection windows or the oil filler port of the tank to perform inspection, be careful not to drop nuts, bolts, or tools inside the machine.
  If such things are dropped inside the machine, it may cause damage and/or malfunction of the machine, and will lead to failure. If you drop anything inside the machine, always remove it immediately.
- Do not put unnecessary things in your pockets. Carry only things which are necessary for inspection.

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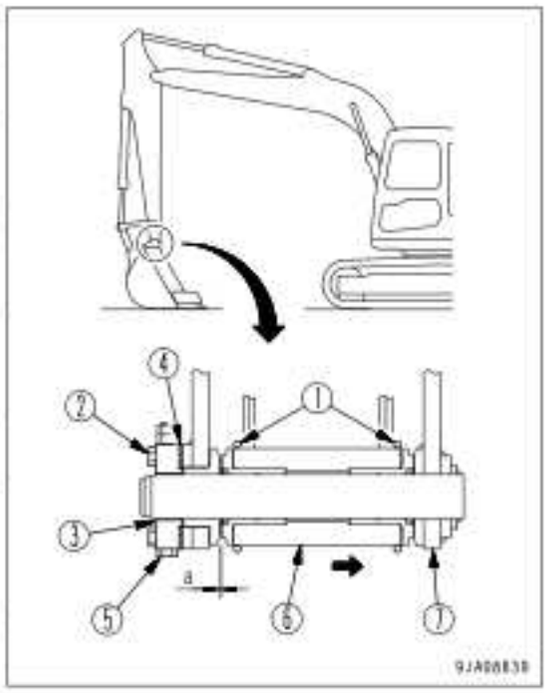
ADJUST BUCKET CLEARANCE

WARNING

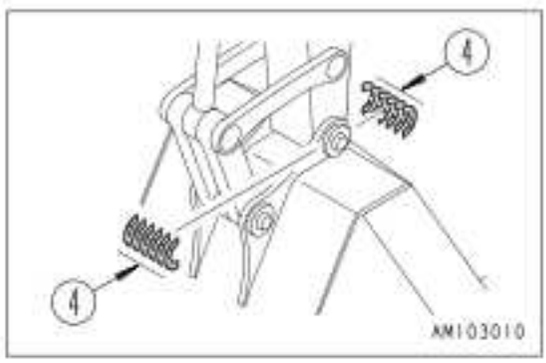
It is dangerous if the work equipment is mistakenly moved when adjusting the bucket clearance.
Set the work equipment in a stable condition, stop the engine, then set lock lever securely to LOCK position (L).



1. Set the work equipment in the position shown in the diagram on the right, then stop the engine and set the lock lever to LOCK position (L).
2. Shift O-ring (1) of the linkage and measure the amount of clearance "a".
   Measurement is easier of you move the bucket to one side (right side of the diagram) or the other so all the clearance can be measured in one place.
   Use a gap (clearance) gauge for easy and accurate measurement.
3. Loosen 4 plate mounting bolts (2), and loosen plate (3).
   The shim is a split type, so the operation can be performed without removing the bolts.
4. Remove shim (4) corresponding to the amount of clearance "a" measured above.
   [Example]
   In the case of clearance of 3 mm (0.118 in), remove two 1.0 mm (0.039 in) shims and one 0.5 mm (0.020 in) shim. Play becomes 0.5 mm (0.020 in). For shim (4), two types of 1.0 mm (0.039 in) and 0.5 mm (0.020 in)are used.
   When clearance a is smaller than one shim, do not carry out any maintenance.
5. Tighten the 4 bolts (2).
   If the bolts (2) are too stiff to tighten, pull out pin stopper bolt (5) for easier tightening.



(6) Arm
(7) Bucket



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