Operation & Maintenance Manual

UEAM003900

PC210-7K
PC210LC, PC210NLC-7K
PC230NHD-7K
PC240LC, PC240NLC-7K
HYDRAULIC EXCAVATOR

SERIAL NUMBER	PC210-7K	- K41848 and up
	PC210LC-7K	- K41848 and up
	PC210NLC-7K	- K41848 and up
	PC230NHD-7K	- K40181 and up
	PC240LC-7K	- K40001 and up
	PC240NLC-7K	- K40001 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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WORK EQUIPMENT CONTROLS AND OPERATIONS

⚠ WARNING

- **If the lever is operated when the auto-deceleration is being actuated, the engine speed will suddenly rise, so be careful when operating the lever.**
- **If the work equipment control lever is operated quickly, the work equipment will move quickly; if the lever is operated slowly, the work equipment will move slowly.**

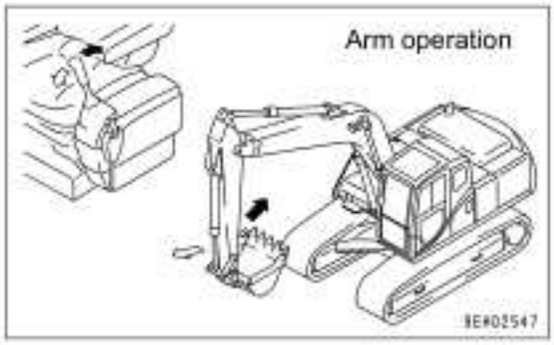
The work equipment is operated by the left and right work equipment control levers. The left work equipment control lever operates the arm and swing, and the right work equipment control lever operates the boom and bucket.

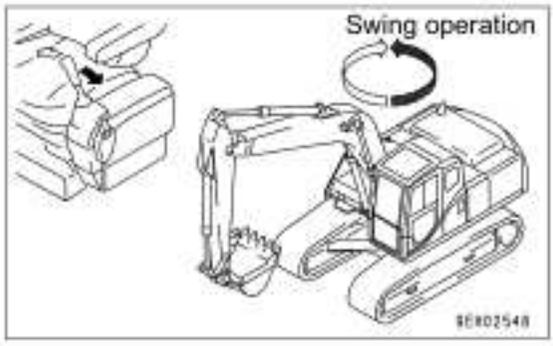
The movements of the lever and work equipment are as shown in the diagrams on the right. When the levers are released, they automatically return to the neutral position and the work equipment is held in place

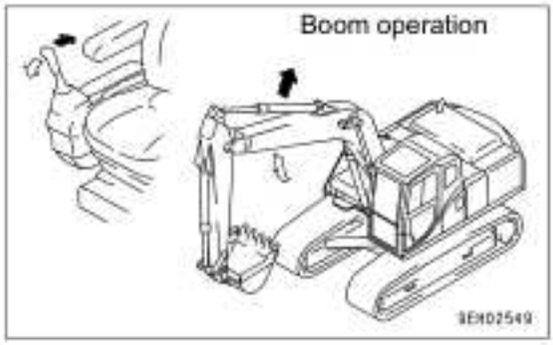
- When the machine is at a standstill, and the work equipment levers are put in neutral, the engine speed is kept at medium speed due to the function of the auto-deceleration, even if the fuel control dial is set at the MAX position.

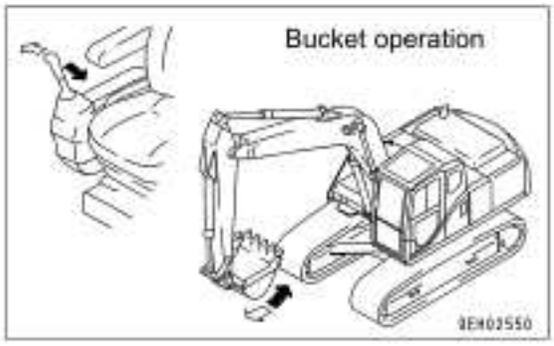
REMARK

If the levers are operated within 15 seconds after stopping the engine, the work equipment can still be lowered to the ground. In addition, the levers can be operated to release any remaining pressure inside the hydraulic cylinder circuit and the boom can be lowered after loading the machine onto a trailer.









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EVERY 500 HOURS MAINTENANCE

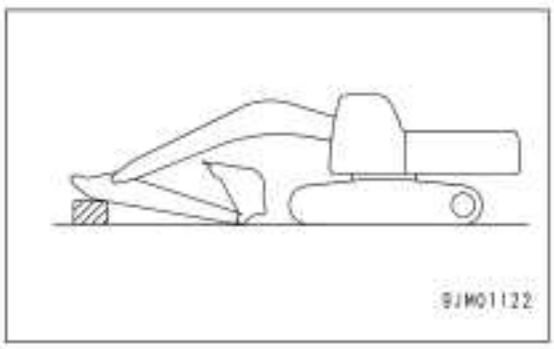
Maintenance for every 100 and every 250 hours service should be carried out at the same time.

LUBRICATING

NOTICE

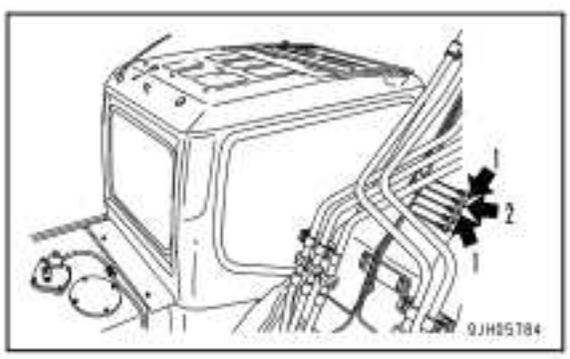
- **For the first 50 hours on a new machine, carry out greasing for greasing points 1 to 12 every ten hours. Carry out the greasing for these points also at 250 hours and 500 hours on a new machine. After this, carry out the greasing every 500 hours or every six months, whichever comes sooner.**
- **After carrying out digging work in water, always grease the pins that were under water.**
- **When carrying out heavy-duty operations, such as hydraulic breaker operations, carry out the greasing every 100 hours.**

1. Set the work equipment in the greasing position below, then lower the work equipment to the ground and 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 was pushed out.



(1) Boom cylinder rod end pin (2 points)

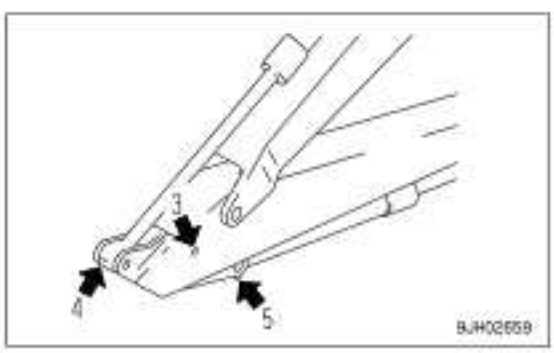
(2) Arm cylinder foot pin (1 point)



(3) Boom-Arm coupling pin (1point)

(4) Arm cylinder rod end (1 point)

(5) Bucket cylinder foot pin (1 point)



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EXPLANATION OF LIFTING CAPACITY CHART (PC210, PC210LC, PC210NLC-7K)

LEGEND
A : Reach from swing centre
B : Bucket hook height

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

LEGEND

(1) Position of lifting point
(2) Arm length:
(3) Boom length
(4) Hydraulic pressure: 37.2 MPa

WORKING CONDITIONS:

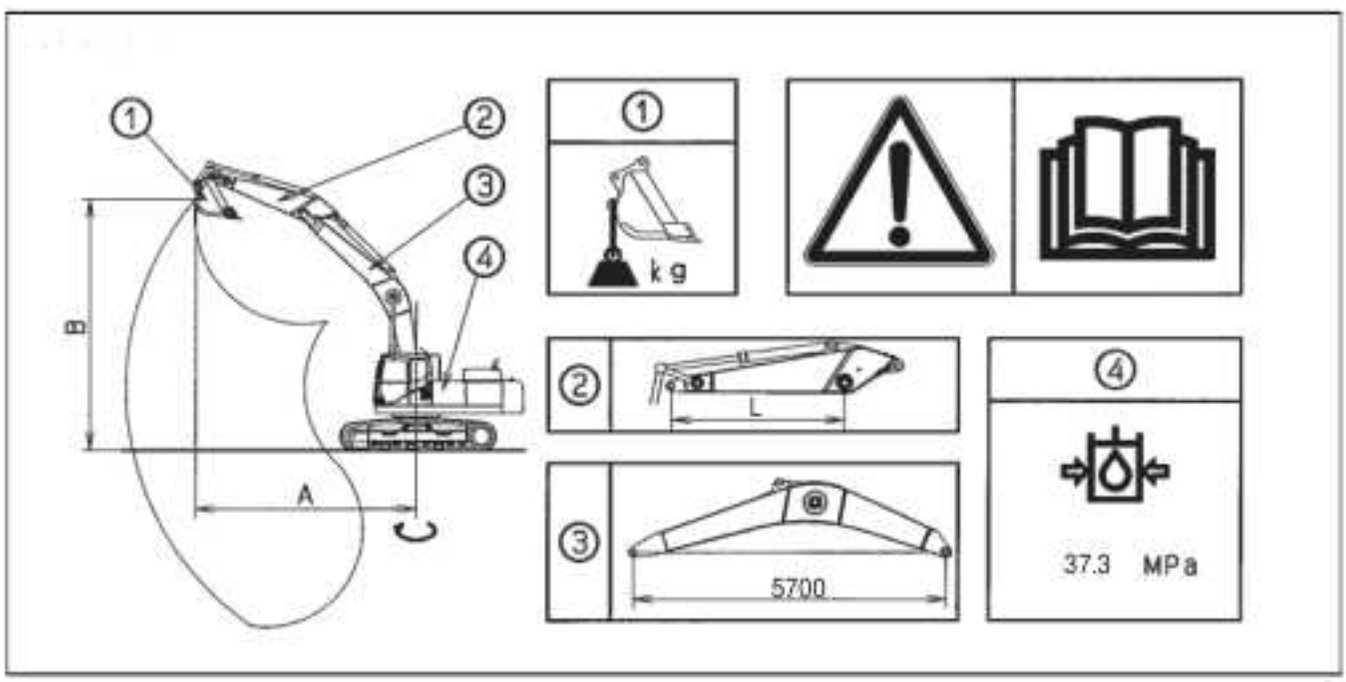
- WITH BUCKET (0.96m^3 CECE).(760 kg)
- IF OBJECT HANDLING IS PERFORMED WITH OTHER TOOL INSTALLED, THE WEIGHT DIFFERENCE OF THE TOOL SHALL BE DEDUCTED FROM THE VALUES OF THIS TABLE.
- WITH FULLY EXTENDED BUCKET CYLINDER.
- ON A COMPACT HORIZONTAL LEVEL GROUND.

PC210-7 with 600mm width shoe

PC210LC-7 with 700mm width shoe

PC210NLC-7 with 500mm width shoe

Loads do not exceed 87% of hydraulic capacity or 75% of tipping capacity (* load limited by hydraulic capacity rather than tipping)



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