Operation & Maintenance Manual

UEAM001603

PC290LC-7K

PC290NLC-7K

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PC290LC-7K - K40001 and up

PC290NLC-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.**

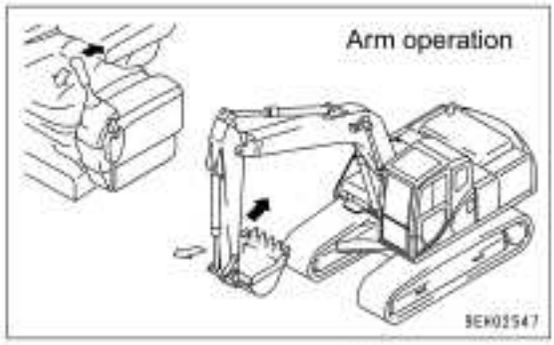
The work equipment is operated by the left and right work equipment control levers. The left work equipment control lever operates the arm and swing, and the right work equipment control lever operates the boom and bucket.

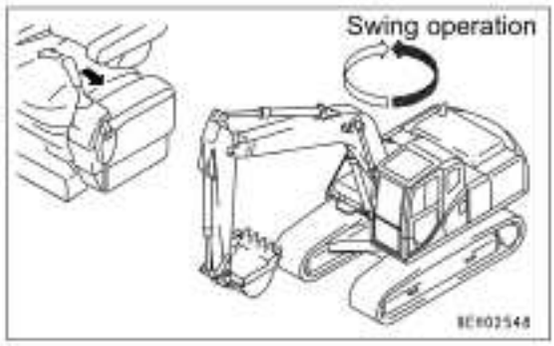
The movements of the lever and work equipment are as shown in the diagrams on the right. When the levers are released, they automatically return to the neutral position and the work equipment is held in place

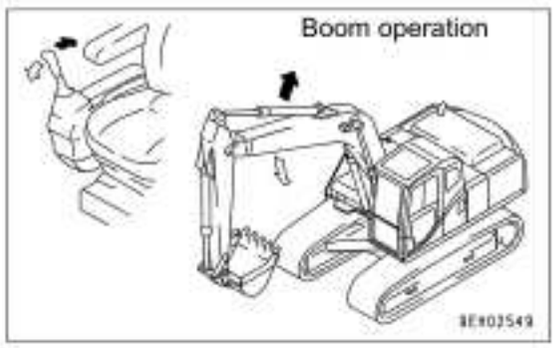
- When the machine is at a standstill, and the work equipment levers are put in neutral, the engine speed is kept at medium speed due to the function of the auto-deceleration, even if the fuel control dial is set at the MAX position.

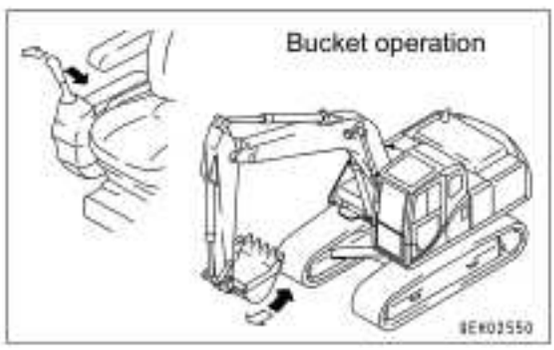
REMARK

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 100 HOURS MAINTENANCE

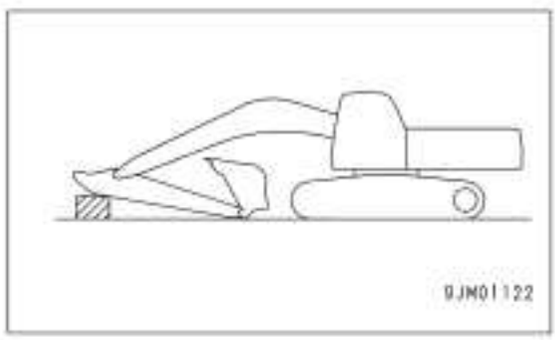
LUBRICATING

LUBRICATING

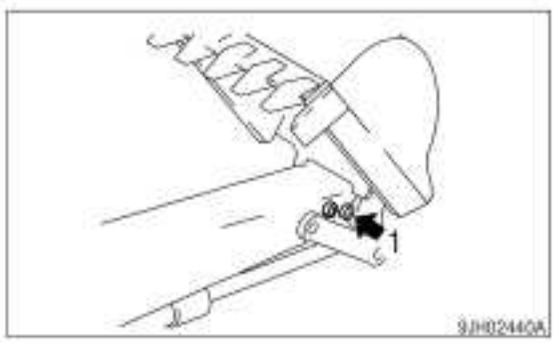
The minimum greasing interval is 100 hours.

- When operating the machine for the first 50 hours, carry out the greasing every 10 hours.
- After carrying out digging work in water, grease the pins that were under water.

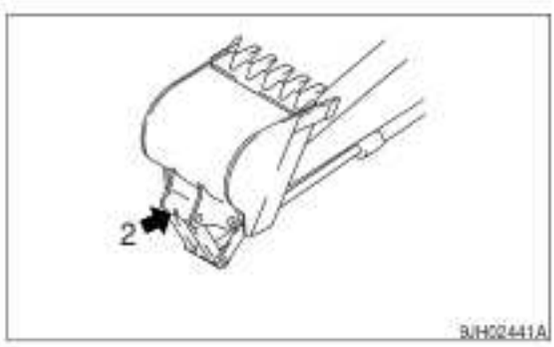
1. Set the work equipment in the greasing posture below, then lower the work equipment to the ground and stop the engine.
2. Use a grease pump to pump grease in through the grease fittings shown by the arrows.
3. After greasing, wipe off any old grease that was pushed out.



(1) Arm-Bucket coupling pin (1 point)



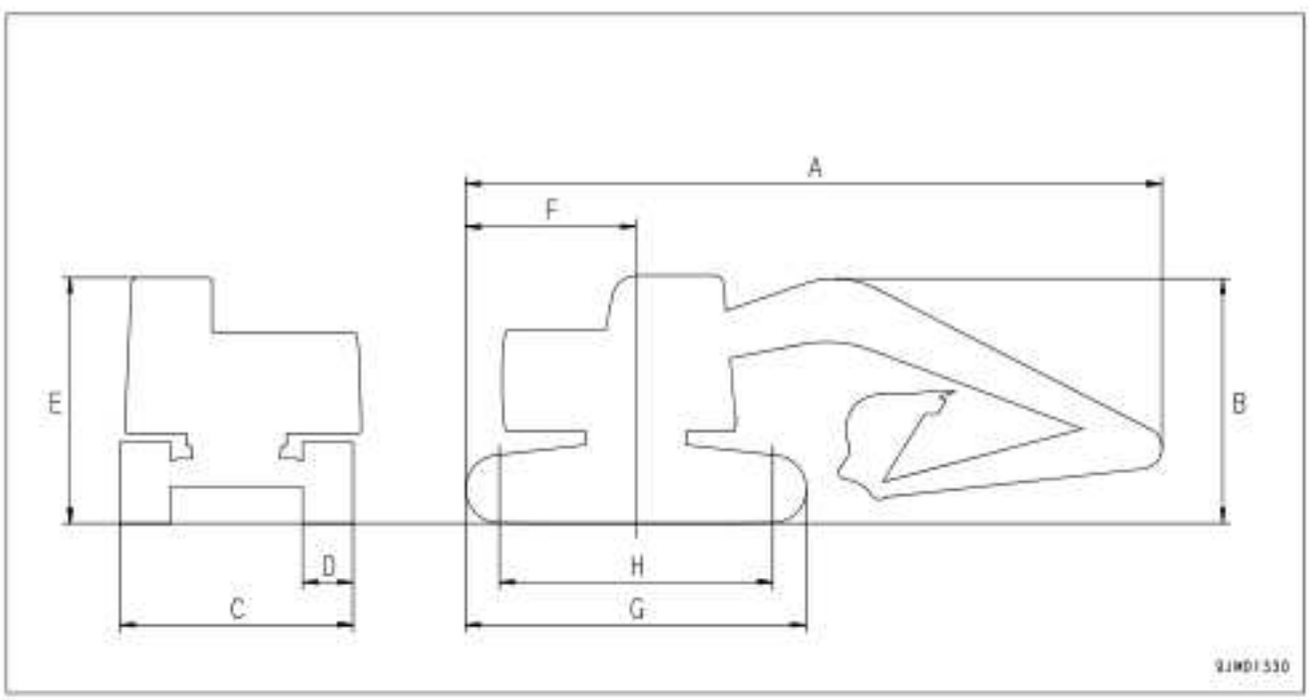
((2) Bucket-Link coupling pin (1 point)



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SPECIFICATIONS

	Item	Unit	PC290LC-7	PC290NLC-7
	Operating weight	kg	28,455	28,080
	Bucket capacity	m^3	1.2	
	Name of engine		KOMATSU SAA6D102E-2-C diesel engine	
	Engine horsepower	kW (HP)/rpm	134/2050	
A	Overall length	mm	9,790	
B	Overall height	mm	3,210	
C	Overall width	mm	3,290	2,990
D	Track width	mm	700	600
E	Height of cab	mm	3,130	
F	Radius of upper structure	mm	2,940	
G	Length of track	mm	4,955	4,625
H	Tumbler center distance	mm	3,700	
	Min. ground clearance	mm	498	
	Travel speed (Low/Medium/High)	km/h	3.0/4.5/5.5	
	Swing speed	rpm	10.5	



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