Operation & Maintenance Manual

SEAM002213T

PC100,PC100L-6
PC120,PC120LC-6
PC130-6 MIGHTY

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC100-46059
PC100L-15234
PC120-60968 and up
PC120LC-65504
PC130-51480

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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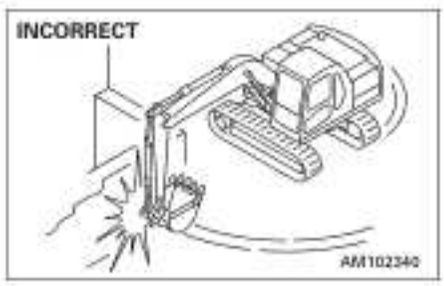
12.11 PROHIBITIONS FOR OPERATION

⚠ WARNING

- **If it is necessary to operate the work equipment control lever when the machine is traveling, stop the machine before operating the work equipment control lever.**
- **If the lever is moved inside the deceleration range, engine speed will suddenly rise. Operate the levers carefully.**
- **Never operate the machine on a rock bed (hard or soft rock).**

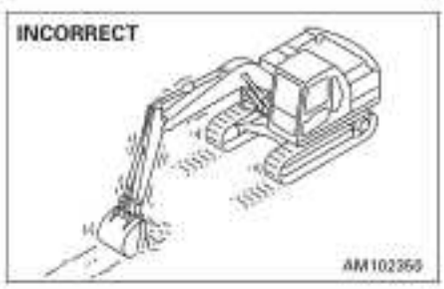
Prohibited operations using swing force

Do not use the swing force to compact soil or break earth mounds or walls.
When swinging, do not dig the bucket teeth into the soil.
These operations will damage the work equipment.



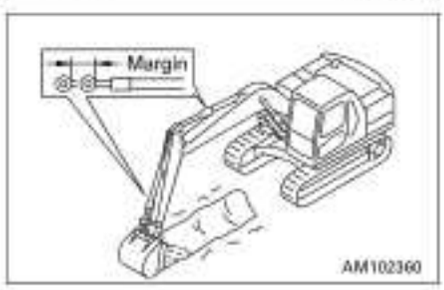
Prohibited operations using travel force

Do not leave the bucket dug into the ground and use the travel force to excavate. This will bring excessive force to bear on the machine and the work equipment.



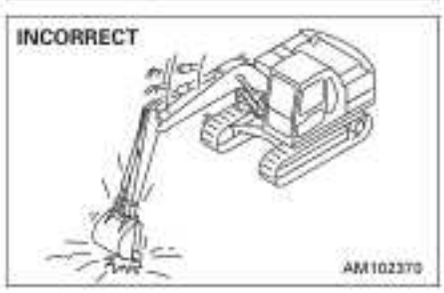
Precautions when operating hydraulic cylinders to end of stroke

If the cylinder is operated to the end of its stroke during operations, force will be brought to bear on the stopper inside the cylinder, and this will reduce the life of the machine. To prevent this, always leave a small safety margin when operating the cylinders.



Prohibited operations using dropping force of bucket

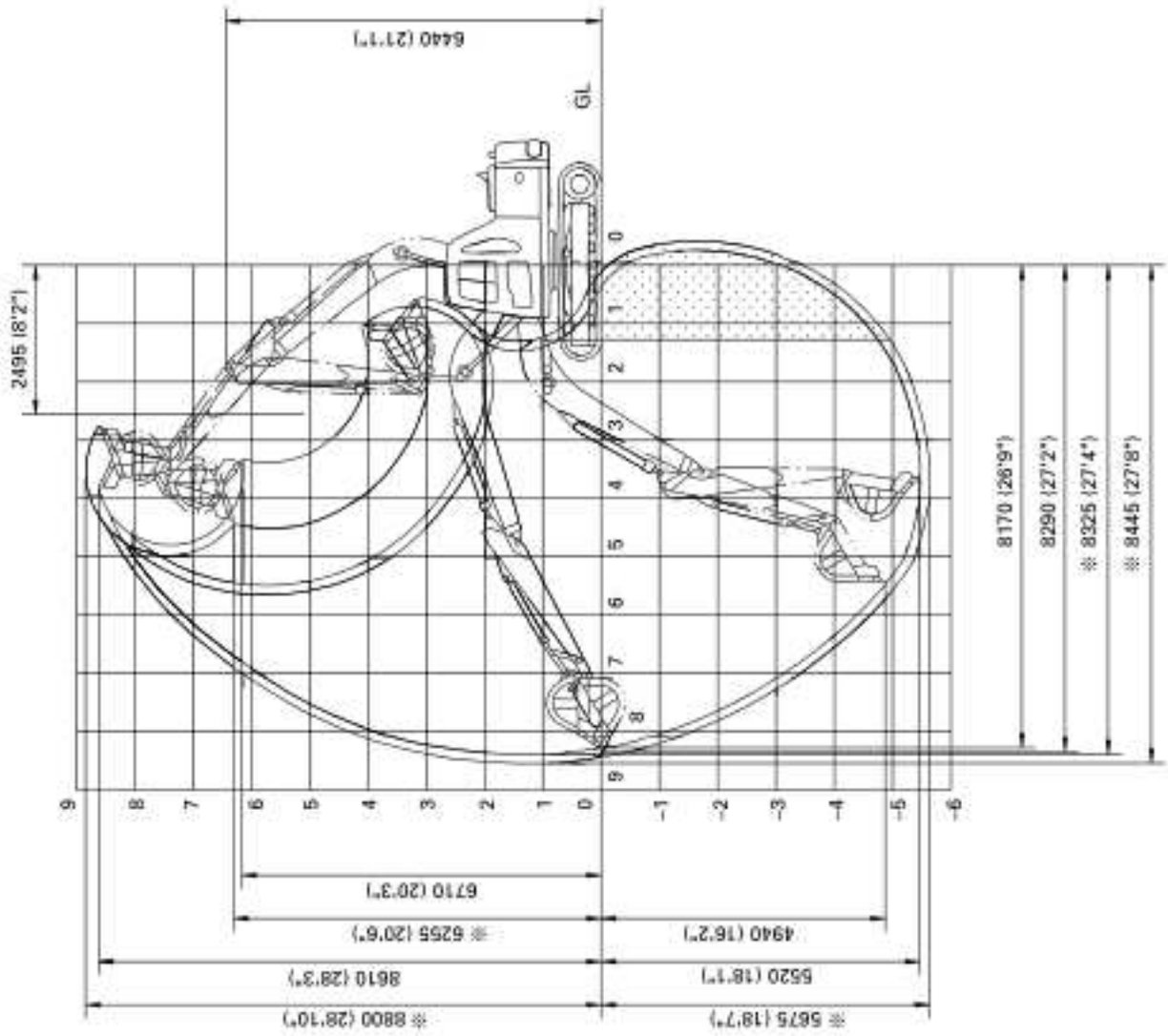
Do not use the dropping force of the bucket as a pickaxe, breaker, or pile driver. This will bring excessive force to bear on the rear of the machine, and will not only damage the machine, but is also dangerous.



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1. The mark ※ indicates the dimensions for shovel operation.
2. Never allow other person than the operator to enter the swing range (Max. swing range, Max. digging radius).



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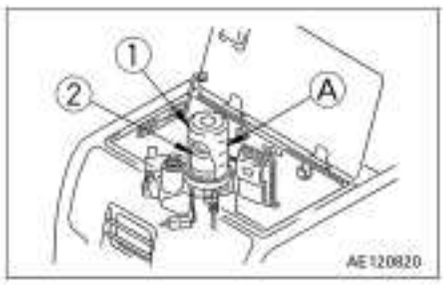
31.5.6 CHECK BEFORE STARTING

Check amount of grease in grease cartridge for automatic greasing, replace grease cartridge

⚠ WARNING

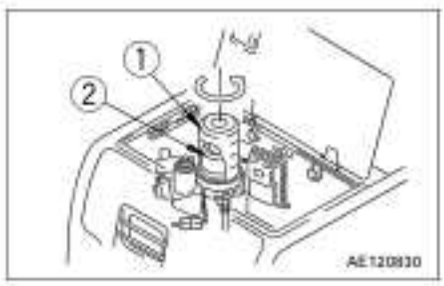
The tank has a built-in compressed spring, so be careful when installing or removing tank cover ①.

1. Open the engine hood, and check the height of grease cartridge ② inside tank cover ①.
2. If the height of grease cartridge ② is lower than mark Ⓐ on tank cover ①, replace grease cartridge ② with a new cartridge.

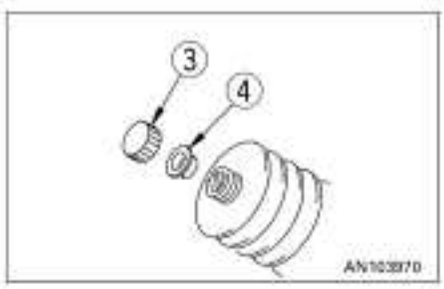


Method of replacing grease cartridge

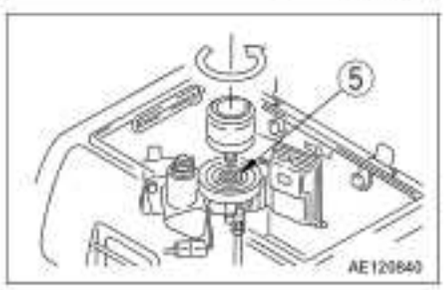
1. Turn tank cover ① to the left to remove it.
2. Turn empty grease cartridge ② to the left to remove it.



3. Remove cap ③ and plug ④ from the new grease cartridge.



4. Press the grease cartridge slightly so that grease comes out from the mouth, then screw the cartridge (approx. 5 turns) securely into suction port holder ⑤.
5. Tighten tank cover ① (approx. 1/3 turns) securely until the lock is engaged.



NOTICE

When changing the grease cartridge from the standard type to the cold area type, or from the cold area type to the standard type, please contact your Komatsu distributor.

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