TEN00037-02

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC600 -7
PC600LC-7

SERIAL NUMBERS PC600- 20105 and up
PC600LC-20105

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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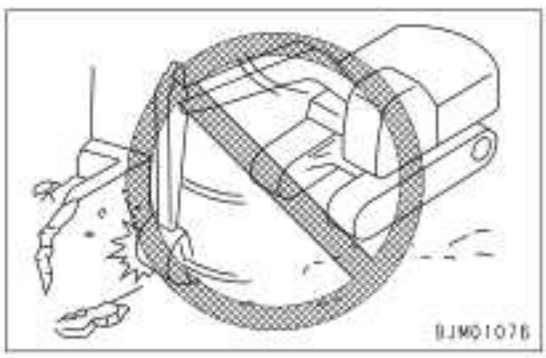
PROHIBITED OPERATIONS

⚠ WARNING

- **If it is necessary to operate the work equipment control lever when the machine is traveling, stop the machine, then operate the control lever.**
- **If any lever is operated when the auto-deceleration is being actuated, the engine speed will suddenly increase, so be careful when operating.**

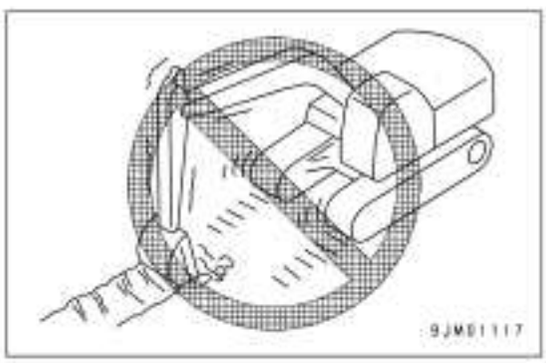
Operations Using Swing Force

Do not use the swing force to compact soil or break objects. This is not only dangerous, but will also drastically reduce the life of the machine.



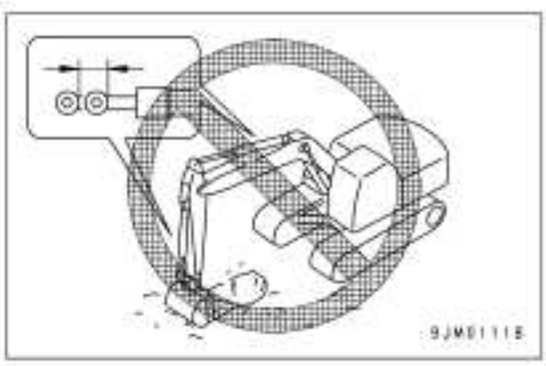
Operations Using Travel Force

Do not dig the bucket into the ground and use the travel force to carry out excavation. This will damage the machine or work equipment.



Prohibition of Operations Using Hydraulic Cylinders to Stroke Ends

If the work equipment is used with the cylinder rod operated to its stroke end, and given impact by some external force, the hydraulic cylinders will be damaged, causing personal injury. Avoid operations with the hydraulic cylinder fully retracted or fully extended.



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EVERY 5000 HOURS MAINTENANCE

Maintenance for every 10, 100, 250, 500, 1000, and 2000 hours of service should be performed at the same time.

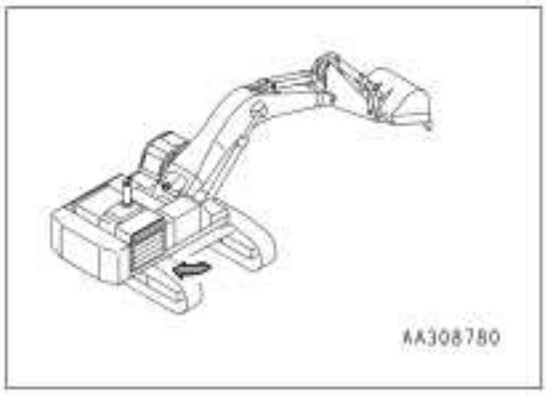
CHANGE OIL IN HYDRAULIC TANK

⚠ WARNING

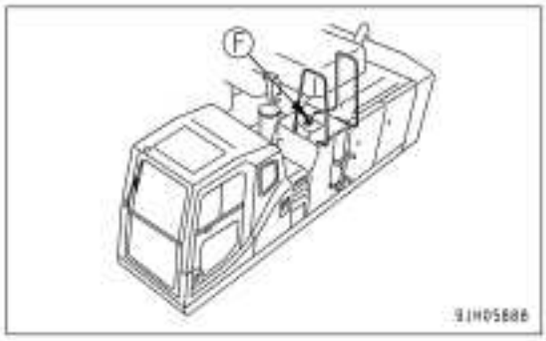
- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

- Refill capacity: 360 liters (95.1 US gal)
- Prepare a handle for socket wrench set

1. Swing the upper structure so that the drain plug under the hydraulic tank will be between both tracks.
2. Retract the arm and bucket cylinders, then lower the boom and put the teeth in contact with the ground.
3. Set the lock lever to the LOCK position and stop the engine.



4. Remove the cap of oil filler (F) at the top of the hydraulic tank.



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Operation of counterweight remover

WARNING

- When operating the counterweight remover, do not allow any person except the operator to come close to the machine.
- Carry out the removal or installation operation for the counterweight on flat, firm, horizontal ground where there are no rocks, stones, or uneven places.
- Run the engine at low speed when removing or installing the counterweight.
- When removing or installing the counterweight, always pay careful attention to the movement of the counterweight and make sure that the counterweight moves smoothly.
- When the counterweight is not secured to the revolving frame, never carry out any operation of the work equipment. In addition, do not carry out any operation of the work equipment when the counterweight is extended.

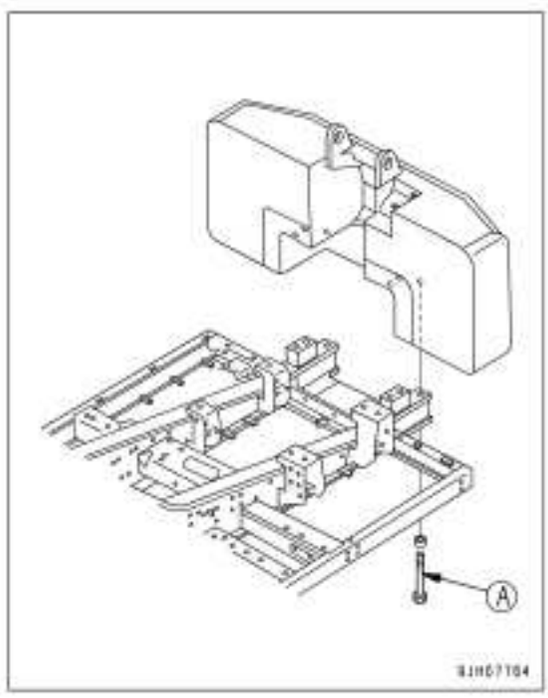
NOTICE

- Always carry out greasing before removing or installing the counterweight. For details of the greasing positions, see "GREASING (PAGE 6-15)" .
- Before starting the operation to remove or install the counterweight, check that lock lever (1) inside the cab is at LOCK position (L). Place the remover control selector valve and OLSS cancel lever securely at the REMOVAL position. If this is not done, it will cause damage to the hydraulic pump and reduction of the service life of the machine.
- After completing the counterweight removal or installation operation, return the remover control selector valve and OLSS cancel lever to their original positions before starting normal operations.



When lowering counterweight

1. Remove 6 counterweight mounting bolts (A).
   Width across flats of bolts: 65 mm (2.6 in)



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