TEN00753-02

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC650LC-11

SERIAL NUMBERS 80001 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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PRECAUTIONS FOR MAINTENANCE

PRECAUTIONS BEFORE STARTING INSPECTION AND MAINTENANCE

DISPLAY WARNING TAG DURING INSPECTION AND MAINTENANCE

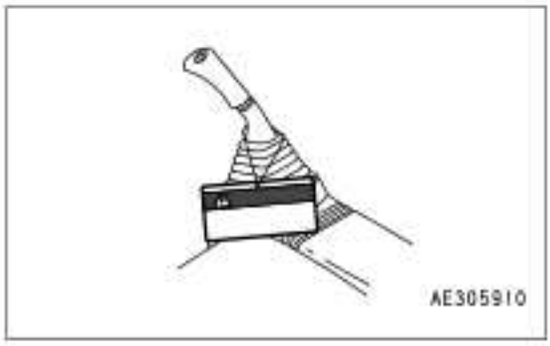
During inspection and maintenance, always display the "DANGER! Do NOT operate!" warning tag.

If there is a "DANGER! Do NOT operate!" warning tag displayed, it means that someone is performing inspection and maintenance of the machine. If the warning tag is ignored and the machine is operated, the person performing inspection or maintenance may be caught in the rotating parts or moving parts. It is dangerous and may cause serious personal injury or death. Do not start the engine or touch the levers.

If necessary, put up signs around the machine as well.

Warning tag part No. 09963-03001

When not using this warning tag, keep it in the toolbox. If there is no toolbox, keep it in the pocket for Operation and Maintenance Manual





KEEP WORK PLACE CLEAN AND TIDY

- Do not leave hammers or other tools lying around in the work place. Wipe up all grease, oil, or other substances that will cause you to slip. Always keep the work place clean the tidy to enable you to perform operations safely. If the work place is not kept clean and tidy, there is the danger that you will trip, slip, or fall over and injure yourself.
- When cleaning the ceiling window which is made of organic glass (polycarbonate), use tap water and avoid use of organic solvents for cleaning. An organic solvent like benzene, toluene or methanol can invite a chemical reaction like dissolution and decomposition on the window glass, deteriorating polycarbonate in use.

SELECT SUITABLE PLACE FOR INSPECTION AND MAINTENANCE

- Stop the machine on a firm, level ground.
- Select a place where there is no hazard of landslides, falling rocks, or flooding.

ONLY AUTHORIZED PERSONNEL

As long as maintenance of the machine is continued, do not allow unauthorized person to come near the workplace. They might get unexpected personal injury from, for instance, touching machine. Do not allow anyone except the workers concerned to enter the workplace. If necessary, employ a guard.

APPOINT LEADER WHEN WORKING WITH OTHERS

When repairing the machine or when removing and installing the work equipment, appoint a leader and follow his/hers instructions during the operation in order to prevent personal injuries caused by being caught or pinched.

STOP ENGINE BEFORE CARRYING OUT INSPECTION AND MAINTENANCE

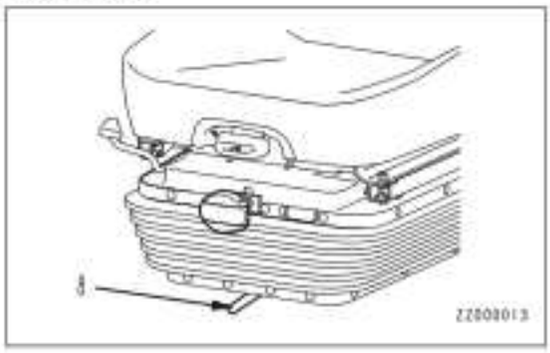
If you are caught or pinched between the work equipment during operation, or exposed to high-temperature or high-pressure liquids, it is dangerous and may cause serious personal injury or death. Always observe the following.

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METHOD FOR ADJUSTING SEAT UNIT IN FORE-AND-AFT DIRECTION

Pull the fore-aft adjustment lever (8) to the right, set the seat to the desired position, then release the lever. The operator's seat, right and left control levers, and lock lever move together.

Fore-and-aft adjustment: 180 mm {7.1 in} (9 stages)



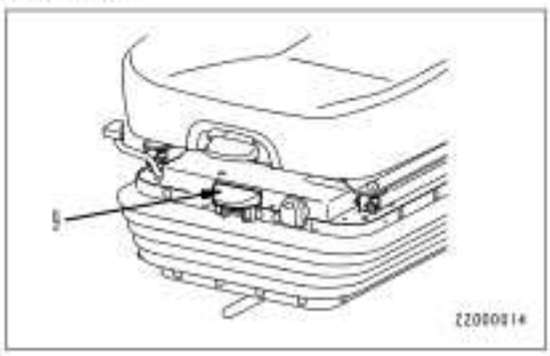
METHOD FOR ADJUSTING AIR SUSPENTION SEAT HARDNESS

Air suspension seat (if equipped)

Operate the suspension switch (9) to adjust the hardness of the suspension.

- If you press the suspension switch (9), the suspension becomes hard.
- If you pull the suspension switch (9), the suspension becomes soft. (Air release sound is heard.)

Weight adjustment range: 60 to 150 kg {132 to 331 lb}



METHOD FOR HEATING SEAT

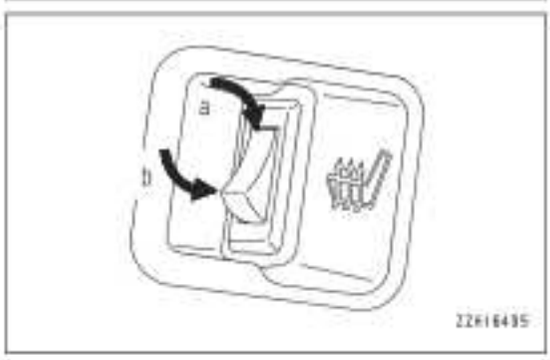
Heated seat (if equipped)

Turn the seat heater switch ON.
(a): OFF position

(b): ON position

The seat cushion and backrest become warm.

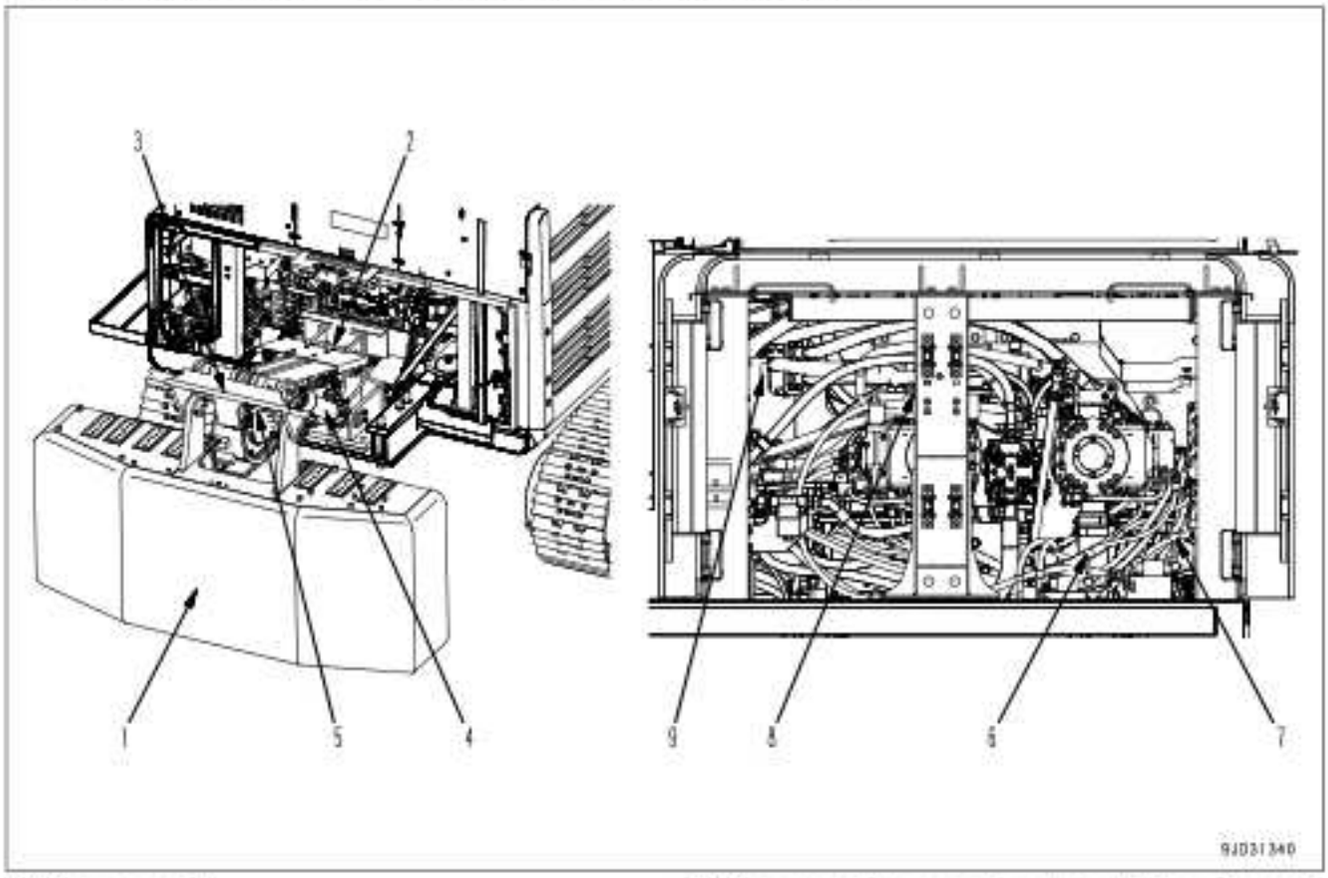




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HANDLE COUNTERWEIGHT REMOVER

EXPLANATION OF COUNTERWEIGHT REMOVER



(1) Counterweight
(2) A Remover link
(3) B Remover link
(4) A Remover link cylinder
(5) B Remover link cylinder
(6) Counterweight removal and installation A control lever
(7) Counterweight removal and installation B control lever
(8) Remover control selector valve
(9) Lock switch

COUNTERWEIGHT

The counterweight (1) has a shape that can be slung. Operating the remover link cylinders (4) and (5) moves the counterweight (1) up and down via the remover links (2) and (3).

REMOVER LINK

The remover links (2) and (3) are the motion links which are necessary when slinging the counterweight (1) from the machine or when it is stored to the machine. They are actuated by operation of the remover link cylinders (4) and (5).

REMOVER LINK CYLINDER

Operating the remover link cylinders (4) and (5) moves the counterweight (1) up and down via the remover links (2) and (3).

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