SEAM02050501

Operation & Maintenance Manual

PC200,200LC-5
PC220,220LC-5

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC200,200LC :45001 and up
PC220,220LC :35001

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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4. RIGHT WORK EQUIPMENT LEVER (boom/bucket control lever) (with auto-deceleration device)

(N) Neutral:

When the lever in this position, the boom and the bucket will be retained in the position in which they stop.

Boom operation

(1) Boom raises.

(2) Boom lowers.

Bucket operation

(3) Bucket dumps.

(4) Bucket curls.

★ For levers 2, 3, and 4, the engine speed changes as follows because of the auto-deceleration mechanism.

- When the travel lever and work equipment control levers are at neutral, even if the fuel control dial is above the mid-range position, the engine speed will drop to a mid-range speed.
  If any of the levers are operated, the engine speed will rise to the speed set by the fuel control dial.
- If all control levers are set to neutral, the engine speed will drop by approx. 100 rpm, and after approx. 4 seconds, the engine speed will drop to the deceleration speed (approx. 1400 rpm).

⚠ **If any lever is operated when in the deceleration range, the engine speed will suddenly increase, so be careful when operating the levers.**

5. FORWARD ADJUSTMENT BUTTON FOR WORK EQUIPMENT CONTROL LEVER

If the button at the side of the left and right console boxes is pressed, it is possible to move the console box forward in tow stages.

N: Neutral positin

F1: Middle position

F2: Deep excavation position

▲ The left consule box only can also be adjusted back from the N position. Use this position when getting on or off the machine.

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BATTERY

As ambient temperature drops, battery capacity will drop, and electrolyte may sometimes freeze if battery charge is low. Maintain battery at a charge level of approx. 100% and insulate it against cold temperature so that machine can be readily started the next morning.

★ Measure specific gravity of fluid and obtain rate of charge from the following conversion table:

Rate of charge \ Temp. of fluid	20°C	0°C	−10°C	−20°C
100%	1.28	1.29	1.30	1.31
90%	1.26	1.27	1.28	1.29
80%	1.24	1.25	1.26	1.27
75%	1.23	1.24	1.25	1.26

★ When electrolyte level is low, add distilled water in the morning before work instead of after the day's work. This is to prevent fluid from freezing at night.

⚠ **To avoid gas explosions, do not bring fire or sparks near the battery.**

⚠ **If the electrolyte gets on your skin or clothes, immediately wash with plenty of clean water.**

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