CEAM009903

Operation & Maintenance Manual

KOMATSU®

PC400LC-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC400LC-8 A88001 and up

ENGINE 6D125E-5

March 2016

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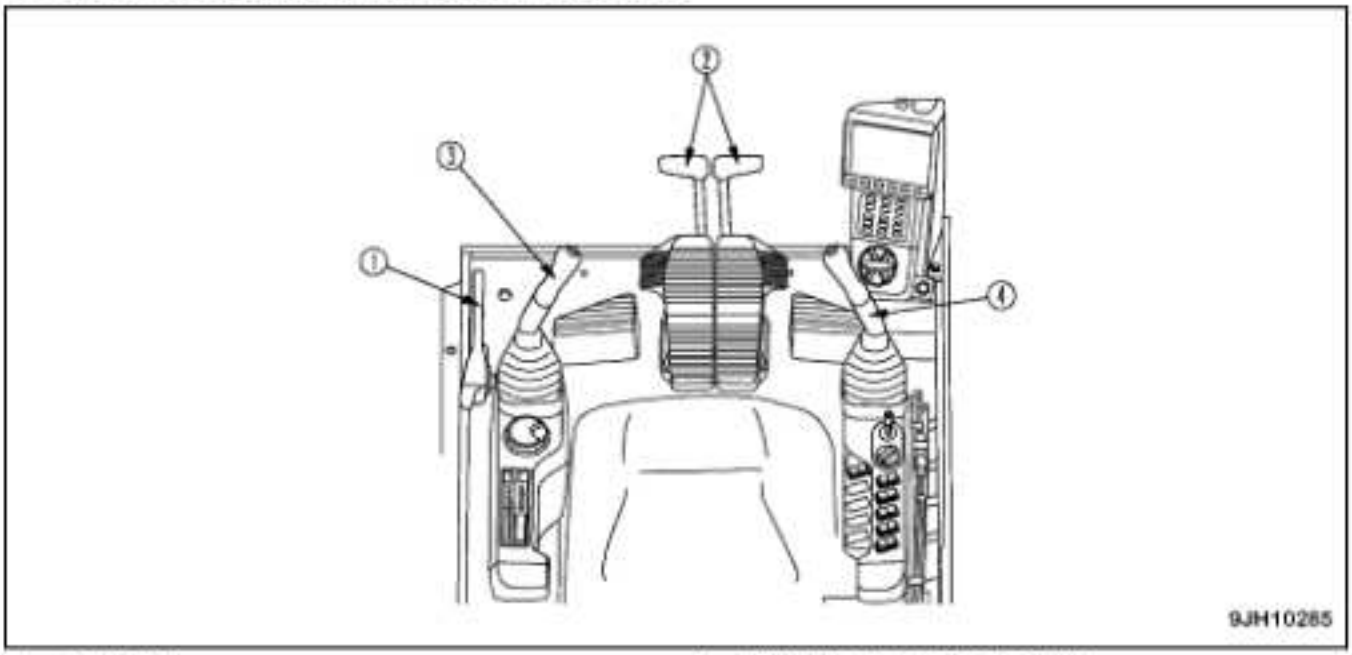
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CONTROL LEVERS AND PEDALS



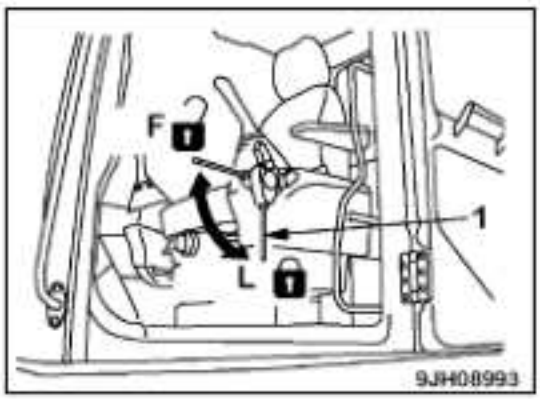
1. Lock lever
2. Travel levers (with pedal and auto-deceleration system)
3. Left work equipment control lever (with auto-deceleration system)
4. Right work equipment control lever (with auto-deceleration system)

Lock Lever

⚠ WARNING

- **When leaving the operator's compartment, set the lock lever securely to the LOCK position. If the lock lever is not at the LOCK position and the control levers or control pedals are touched by mistake, it may lead to serious personal injury.**
- **Check that the condition of the lever is as shown in the diagram.**
- **When pulling the lock lever up, be careful not to touch the work equipment control lever. When pushing the lock lever down, be careful not to touch the work equipment control lever.**

This lever (1) is a device to lock the work equipment, swing, travel, and attachment (if equipped) control levers.



(L) LOCK position:

Even when levers or attachment control pedal (if equipped) are operated, machine does not move

(F) FREE position:

Machine moves according to operation of levers or attachment control panel (if equipped)

Remark

This lock lever is of hydraulic lock type. Accordingly, when it is in the lock position (L), the control levers or control pedals move but the machine does not move.

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Battery

⚠ WARNING

- **The battery generates flammable gas. Do not bring fire or sparks near the battery.**
- **Battery electrolyte is dangerous. If it gets in your eyes or on your skin, wash it off with a large amount of water and consult a doctor.**
- **Battery electrolyte dissolves paint. If it gets on the bodywork, wash it off immediately with water.**
- **If the battery electrolyte is frozen, do not charge the battery or start the engine with a different power source. There is danger that the battery may explode.**
- **Battery electrolyte is toxic. Do not let it flow into drainage ditches or spray it on to the ground surface.**

When the ambient temperature drops, the capacity of the battery will also drop. If the battery charge ratio is low, the battery electrolyte may freeze. Maintain the battery charge as close as possible to 100%. Insulate it against cold temperature to ensure the machine can be started easily the next morning.

Remark

Measure the specific gravity and calculate the charging rate from the following conversion table.

Charging Rate (%)	Electrolyte Temperature			
	20°C (68°F)	0°C (32°F)	-10°C (14°F)	-20°C (-4°F)
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

- As the battery capacity drastically drops in low temperatures, cover or remove the battery from the machine, store the battery in a warm place, and install it again the next morning.
- If the electrolyte level is low, add distilled water in the morning before beginning work. Do not add water after the day's work to prevent diluted electrolyte in the battery from freezing during the night.

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WEAR PARTS

Replace wear parts such as the filter element or air cleaner element at the time of periodic maintenance or before they reach the wear limit. The wear parts should be replaced correctly in order to ensure more economic use of the machine. When replacing parts, always use Komatsu genuine parts.

As a result of our continuous efforts to improve product quality, the part number may change, so inform your Komatsu distributor of the machine serial number and check for the latest part number when ordering parts.

Wear Parts List

The parts in parentheses are to be replaced at the same time.

Item	Part Name	Q'ty	Change interval
Engine oil filter	Cartridge	1	Every 500 hours
Fuel filter	Cartridge	1	Every 500 hours (Without additional fuel filter) Every 1000 hours (With additional fuel filter)
Additional fuel filter	Cartridge	1	Every 500 hours
Hydraulic tank breather	Element	1	Every 500 hours
Additional breather for hydraulic tank	Element	1	Every 1000 hours
Corrosion resistor (If equipped)	Cartridge	1	Every 1000 hours
Hydraulic oil filter	Element (O-ring)	1 (1)	Every 1000 hours
Air conditioner RECIRC filter	Filter	1	Every one year
Air conditioner FRESH filter	Element	1	Every one year
Air cleaner	Element assembly (Outer, Inner, O-ring)	1	-
Additional filter for breaker (if equipped)	Element (O-ring) (O-ring)	1 (1) (1)	-
Electric heater	Gasket	2	-
Line filter (if equipped)	Element (O-ring)	2 (2)	-
Bucket	Vertical pin type Tooth (Pin)	5 (5)	-
	Horizontal pin type Tooth (Pin)	5 (5)	
	Side cutter type cutter (left) cutter (right)	1 1	
	Shroud type Shroud Pin Shim Shim	4 8 16 8	
Seat belt		1	Every 3 years after the start of usage or 5 years after the date of manufacture or at first sign of wear or damage

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