CEAM021902

Operation & Maintenance Manual

PC450LC-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC450LC-8 A10001 and up

ENGINE 6D125E-5

March 2016

KOMATSU®

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Travel Levers

⚠ WARNING

- **Do not rest your foot on the pedal during operations. If the pedal is depressed by mistake, the machine may suddenly move and cause a serious accident. Be extremely careful when operating the pedal for travel or steering operations. When you are not using the pedal, do not rest your foot on it.**
- **If the track frame is facing the rear, the direction of travel operations will be reversed when the travel lever is operated. (The machine will travel forward when operated in reverse, and in reverse when operated forward; the left and right directions will also be reversed.)**
- **When operating the travel levers, check if the track frame is facing the front or the rear. (If the sprocket is at the rear, the track frame is facing the front.)**

This lever (2) is used to change the direction of travel between forward and reverse. ( ) shows the pedal operation.

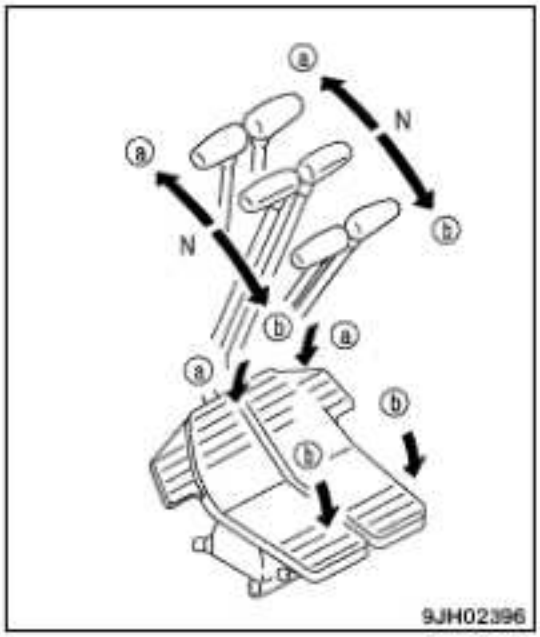
(a) FORWARD: . . . . . The lever is pushed forward (The pedal is angled forward)

(b) REVERSE: . . . . . The lever is pulled back (The pedal is angled back)

N (Neutral): . . . . . The machine stops

Remark

If the lever is shifted to the FORWARD or REVERSE position from the Neutral position, the alarm sounds to warn that the machine is starting to move.

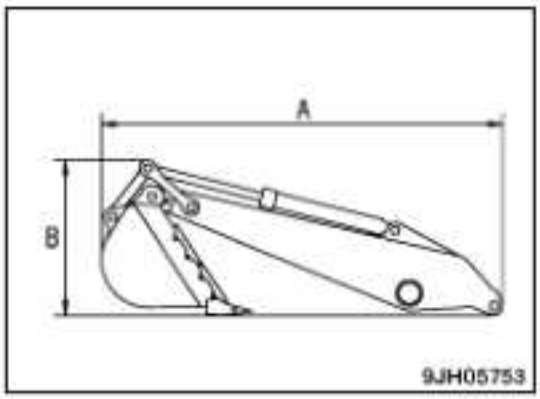


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Work Equipment

- Arm, Bucket

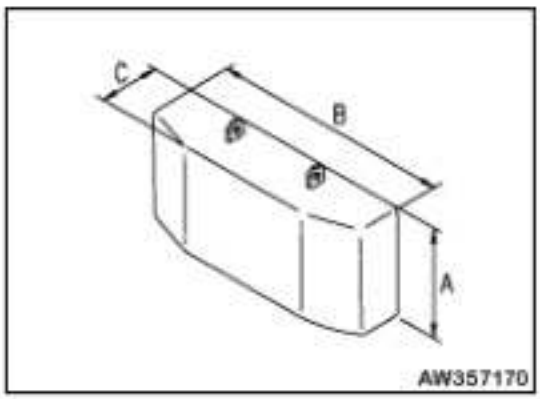
Item	Unit	PC450LC
A	mm (ft in)	4,890 (16' 1")
B	mm (ft in)	1,950 (6' 5")
Overall width	mm (ft in)	1,620 (5' 4")
Weight	kg (lb)	3,400 (7,497)



Others

- Counterweight

Item	Unit	PC450LC
A	mm (ft in)	1,145 (3' 9")
B	mm (ft in)	2,996 (9' 10")
C	mm (ft in)	970 (3' 2")
Weight	kg (lb)	9,500 (20,944)



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Replace Fuel Pre-filter Cartridge

⚠ WARNING

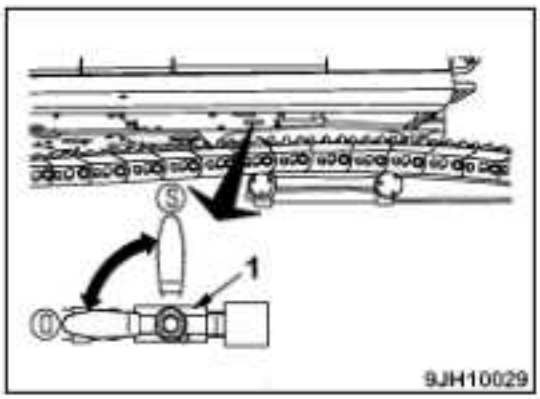
- **After the engine has been operated, all parts are at high temperature, so do not replace the filter immediately. Wait for all parts to cool down before starting the operation.**
- **High pressure is generated inside the engine fuel piping system when the engine is running. When replacing the filter, wait for at least 30 seconds after stopping the engine to let the internal pressure go down before replacing the filter.**
- **Do not bring any fire or flame close.**

Remark

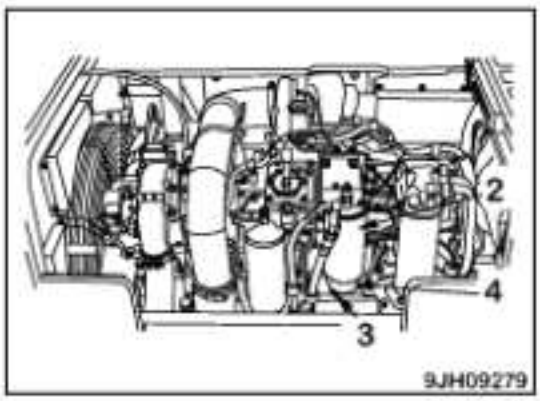
- *Genuine Komatsu fuel filter cartridges use a special filter that has highly efficient filtering ability. When replacing the filter cartridge, always use a genuine Komatsu part.*
- *The common rail fuel injection system used on this machine consists of more precise parts than the conventional injection pump and nozzle.*
- *If any part other than a genuine Komatsu filter cartridge is used, dust or dirt may get in and cause problems with the injection system. Always avoid using substitute parts.*
- *When carrying out inspection or maintenance of the fuel system, pay more attention than normal to the entry of dirt. If dirt is stuck to any part, use fuel to wash it off completely.*

- Container to catch the oil
- Prepare a filter wrench

1. Turn the valve (1) at the bottom of the fuel tank to the CLOSE position (S).



2. Open the front engine hood.
3. Set the container to catch the fuel under the filter cartridge (2).
4. Loosen drain valve (3), then drain all the water and sediment in the transparent cap (4) and also the fuel accumulated in filter cartridge (2).
5. Using a filter wrench, turn transparent cap (4) to the left to remove it. (This cap is used again.)
6. Using a filter wrench, turn filter cartridge (2) counterclockwise to remove it.



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