# Operation & Maintenance Manual

SEAM022108T

# PC600-6
# PC600LC-6

## HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC600-11001
PC600LC-11001 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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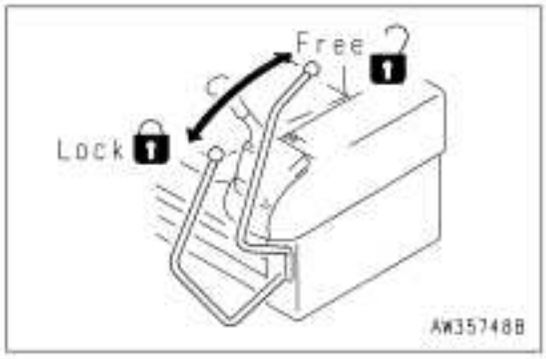
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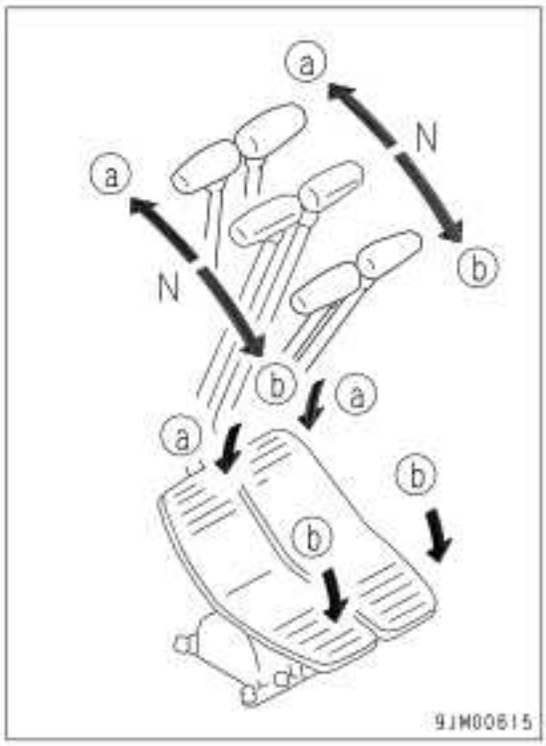
This lever (1) locks the controls for the work equipment, swing, travel, and optional attachments.
Pull the lever up to apply the lock.
This lock lever is a hydraulic lock, so even if it is in the lock position, the work equipment control lever and travel lever will move, but the work equipment, travel motor, and swing motor will not work.




### 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.)**




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**
Machines equipped with travel alarm (If equipped)
If the lever is shifted to the advance or reverse position from the neutral position, the alarm sounds to warnthat the machine is starting to advance.



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## EVERY 500 HOURS MAINTENANCE

Maintenance for every 10, 100 and 250 hours service should be carried out at the same time.

## REPLACE FUEL FILTER CARTRIDGE

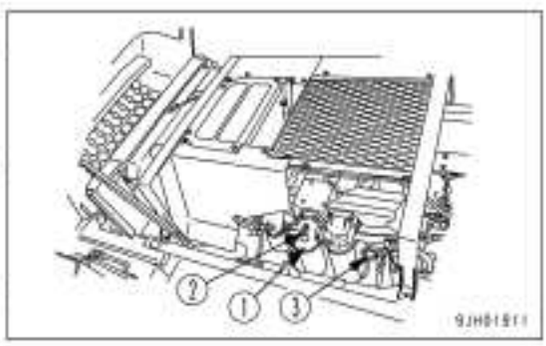
**⚠ WARNING**

- **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.**

**NOTICE**

- **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
- Filter wrench

1. Set the container to catch the fuel under the filter cartridge.
2. Using a filter wrench, turn filter cartridge (1) counterclockwise to remove it.
3. Clean the filter holder, fill the new filter cartridge with clean fuel, coat the packing surface thinly with engine oil, then install to the filter holder.




**NOTICE**

- **When filling with fuel, use clean fuel and be careful not to let any dust or dirt get in. Portion (B) at the center is the clean side, so be particularly careful not to let any dust or dirt get in.**
- **When adding fuel, always add from small hole (A) at eight places on the dirty side.**

4. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it up 1/2 to 3/4 of a turn.
   If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten to the correct amount.
5. After completion of the replacement of fuel filter cartridge (1), bleed the air.
   Bleed the air as follows.
6. Add fuel to the fuel tank until full (to FULL mark on the fuel gauge).
7. After replacing filter cartridge (1), loosen air bleed plug (2).
8. Loosen the knob of priming pump (3), move it up and down, and continue until no more bubbles come out with the fuel.
9. Tighten air bleed plug (2), push in the knob of priming pump (3), then tighten it.
   Use a genuine Komatsu part for the fuel filter cartridge. After replacing the filter cartridge, run the engine, and check for any leakage of oil from the filter seal surface.

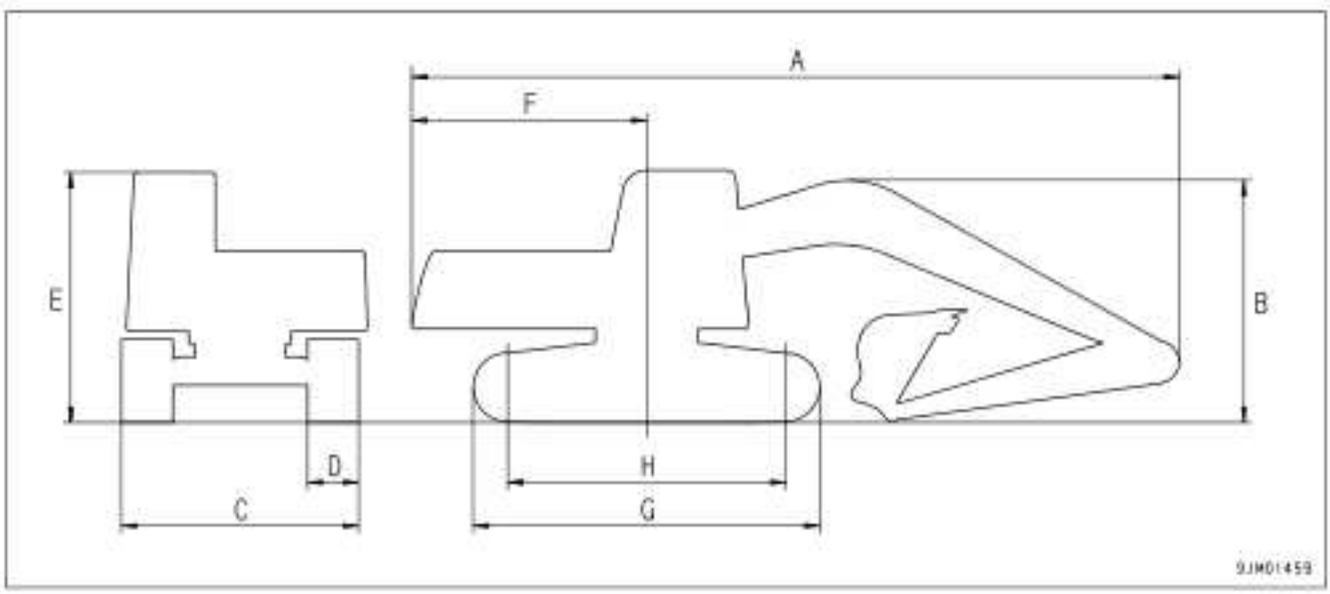


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# SPECIFICATIONS

PC600-6
PC600LC-6

| | Item | Unit | PC600-6 | PC600LC-6 |
|---|---|---|---|---|
| | Operating weight (with operator) | kg (lb) | 56,680 (124,980) | 57,680 (127,185) |
| | Bucket capacity | $m^3$ (cu.yd) | 2.7 (3.5) | 2.7 (3.5) |
| | Engine model | – | Komatsu SA6D140E diesel engine | |
| | Flywheel horsepower | kW(HP)/rpm | 287 (385)/1,800 | 390/1,800 |
| A | Overall length | mm (ft in) | 12,810 (42') | 12,810 (42') |
| B | Overall height | mm (ft in) | 4,300 (14' 1") | 4,300 (14' 1") |
| C | Overall width | mm (ft in) | 3,900 (12' 10") | 3,900 (12' 10") |
| D | Track shoe width | mm (ft in) | 600 (2') | 600 (2') |
| E | Height of cab | mm (ft in) | 3,310 (10' 10") | 3,310 (10' 10") |
| F | Radius of upper structure | mm (ft in) | 3,675 (12' 1") | 3,675 (12' 1") |
| G | Length of track | mm (ft in) | 5,340 (17' 6") | 5,690 (10' 8") |
| H | Tumbler center distance | mm (ft in) | 4,250 (13' 11") | 4,600 (15' 1") |
| | Min.ground clearance | mm (ft in) | 780 (2' 7") | 780 (2' 7") |
| | Travel speed (Low/High) | km/h (MPH) | 3.0/4.9 (1.9/3.1) | 3.0/4.9 (1.9/3.1) |
| | Swing speed | rpm | 8.3 | 8.3 |






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