TEN00428-05

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC200-8 PC200LC-8
PC220-8 PC220LC-8

SERIAL NUMBERS PC200-350001 and up
PC220- 85001

ecot3

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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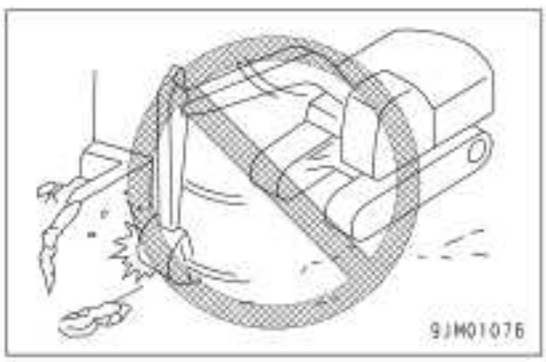
PROHIBITED OPERATIONS

WARNING

- If it is necessary to operate the work equipment control lever when the machine is traveling, stop the machine, then operate the control lever.
- If any lever is operated when the auto-deceleration is being actuated, the engine speed will suddenly increase, so be careful when operating.

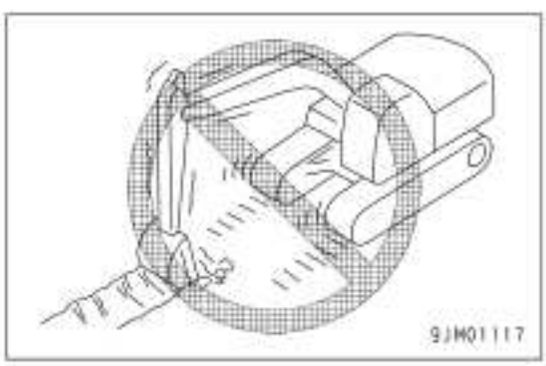
Operations Using Swing Force

Do not use the swing force to compact soil or break objects. This is not only dangerous, but will also drastically reduce the life of the machine.



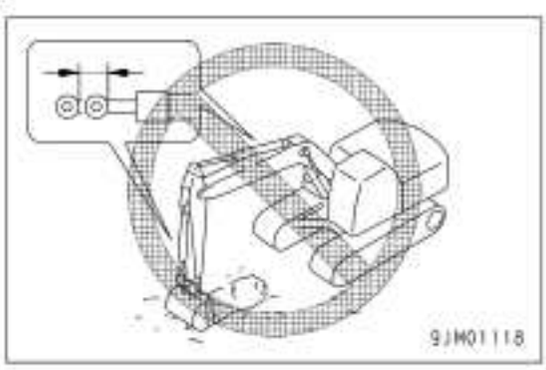
Operations Using Travel Force

Do not dig the bucket into the ground and use the travel force to perform excavation. This will damage the machine or work equipment.



Prohibition of Operations Using Hydraulic Cylinders to Stroke Ends

If the work equipment is used with the cylinder rod operated to its stroke end, and given impact by some external force, the hydraulic cylinders will be damaged, causing personal injury. Avoid operations with the hydraulic cylinder fully retracted or fully extended.



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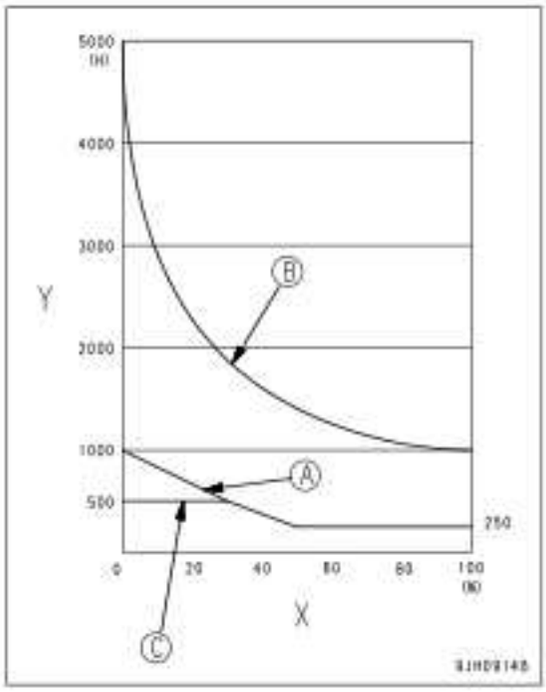
MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER

For machine equipped with a hydraulic breaker, the hydraulic oil deteriorates faster than for normal bucket digging operations, so set the maintenance intervals as follows.

- **Replace hydraulic filter element**
  On a new machine, replace the element after the first 100 to 150 hours, then perform further replacement of the element according to the table on the right.

- **Change oil in hydraulic tank**
  Change the oil according to the table on the right.

- **Replacing additional filter element for breaker (if equipped)**
  Replacing pirot filter element (if equipped)
  Use a guideline of 250 hours for use of the breaker (operating ratio for the breaker: 50 % or more), and replace the element according to the table on the right.

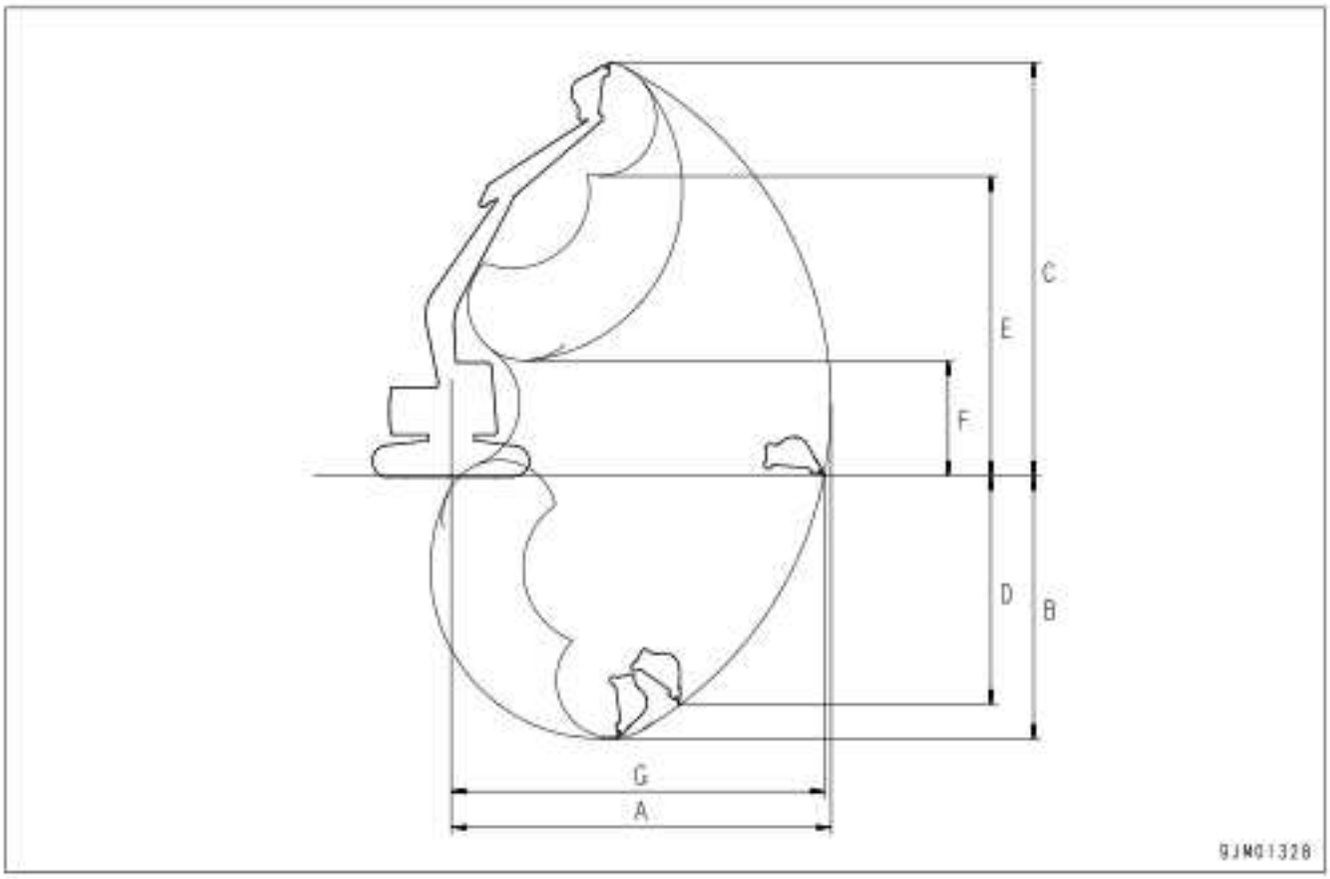


X: Breaker operating ratio (%)
Y: Replacement interval (H)
(A): Hydraulic filter element,Pilot filter element
(B): Hydraulic oil
(C): Additional filter element

REMARK
Breaker operating ratio 100% means that only the breaker is used
Breaker operating ratio 0% means that the breaker is not used

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	Working ranges	Unit	PC200-8	PC200LC-8	PC220-8	PC220LC-8
A	Max. digging reach	mm (ft in)	9,875 (32' 5")	9,875 (32' 5")	10,180 (33' 5")	10,180 (33' 5")
B	Max. digging depth	mm (ft in)	6,620 (21' 9")	6,620 (21' 9")	6,920 (22' 8")	6,920 (22' 8")
C	Max. digging height	mm (ft in)	10,000 (32' 10")	10,000 (32' 10")	10,000 (32' 10")	10,000 (32' 10")
D	Max. vertical wall depth	mm (ft in)	5,980 (19' 7")	5,980 (19' 7")	6,010 (19' 9")	6,010 (19' 9")
E	Max. dumping height	mm (ft in)	7,110 (23' 4")	7,110 (23' 4")	7,035 (23' 1")	7,035 (23' 1")
F	Min. dumping height	mm (ft in)	2,645 (8' 8")	2,645 (8' 8")	2,530 (8' 4")	2,530 (8' 4")
G	Max. digging reached at ground level	mm (ft in)	9,700 (31' 10")	9,700 (31' 10")	9,700 (31' 10")	9,700 (31' 10")



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