TEN00499-02

Operation & Maintenance Manual

HYDRAULIC EXCAVATOR

PC400-8 PC400LC-8
PC450-8 PC450LC-8

SERIAL NUMBERS PC400-70456 and up
PC450-70456

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.

KOMATSU®

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SUN ROOF

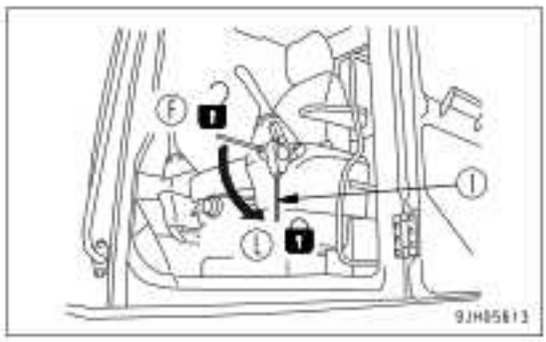
(PC400, PC400LC only)

WARNING

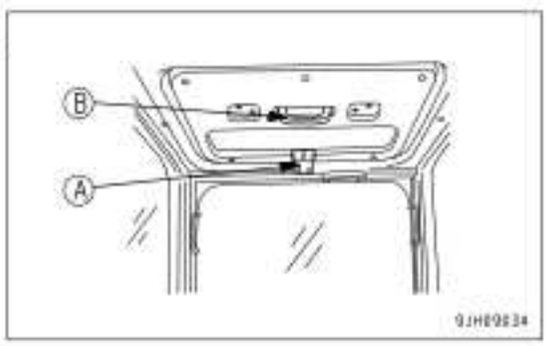
When leaving the operator's seat, set the lock lever securely to LOCK position.
If the lock lever is at FREE position and the control levers or control pedals is touched by mistake, this may lead to a serious accident.

Opening

1. Set the lock lever (1) securely to LOCK position (L).



2. Push up lock (A) in the front center of the roof window and check that the lock is released. Then hold grip (B) and push up the roof window.



Closing

Hold grasping grip (B), lower the ceiling window, and apply lock (A). If the lock cannot be applied, open the ceiling window, then pull it in again and apply the lock.

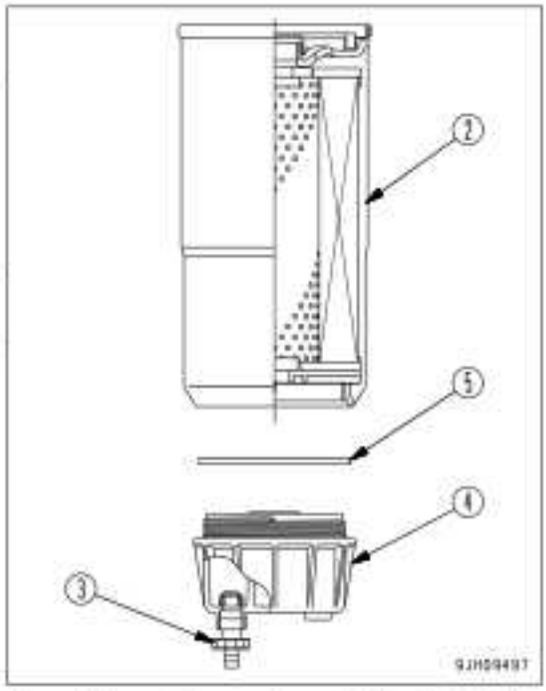
WINDSHIELD

WARNING

- **When opening or closing the front window, bottom window, or door, always set the lock lever to LOCK position.**
  If the lock lever is at FREE position and the control levers or control pedals is touched by mistake, this may lead to a serious accident.
- **When opening or closing the front window, stop the machine on horizontal ground, lower the work equipment completely to the ground, stop the engine, then carry out the operation.**
- **When opening the front window, hold the grip securely with both hands, pull up, and do not let go until the automatic lock catch is locked.**
- **When closing the front window, the window will move quicker under its own weight. Hold the grips securely with both hands when closing it.**

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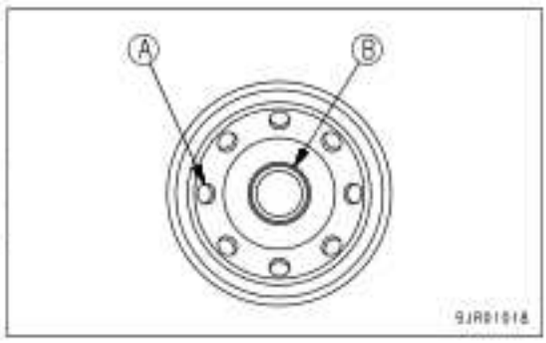
7. Remove seal (5) from transparent cap (4), then clean the cap.
   If transparent cap (4) is damaged, replace it with a new part.
8. Coat new seal (5) with clean fuel or oil, then install it to transparent cap (4).
9. Install transparent cap (3) to new filter cartridge (2).
   - Tightening torque for transparent cap:
     10.0 Nm (1.0 kgm, 7.2 lbft)
10. Check that the drain valve (3) at the bottom of transparent cap (4) is tightened securely.
    Tightening torque: 0.2 - 0.45Nm (0.02 -0.046 kgm, 0.1 - 0.3 lbft)



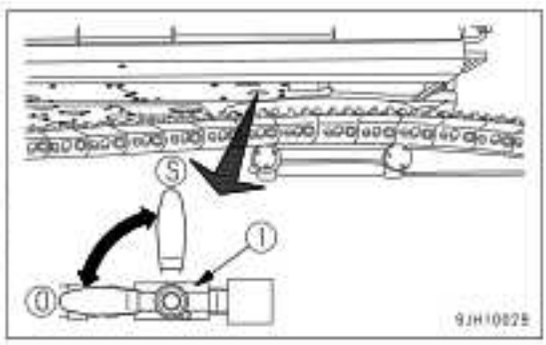
11. Clean the filter holder, fill the new filter cartridge with clean fuel, coat the packing surface thinly with oil, then install to the filter holder.

NOTICE

- **When adding fuel, do not remove cap (B). Always add fuel from the 8 small holes (A) on the dirty side.**
- **After adding fuel, remove cap (B) and install the fuel filter.**
- **Always fill with clean fuel. Be careful not to let any dirt or dust get into the fuel. In particular, center portion is the clean side, so do not remove cap (B) when adding fuel. Be careful not to let dirt or dust get into center portion on the clean side.**



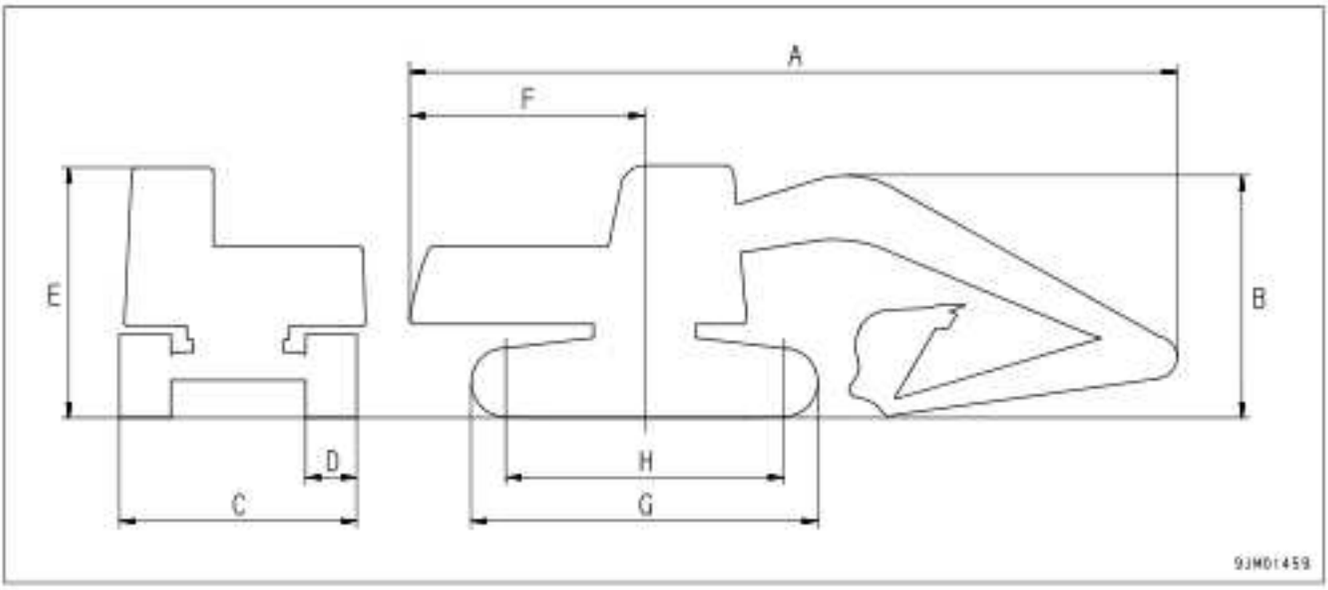
12. When installing, tighten until the packing surface contacts the seal surface of the filter holder, then tighten it 3/4 of a turn.
    If the filter cartridge is tightened too far, the packing will be damaged and this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will also leak from the packing, so always tighten the correct amount.
    - When tightening with a filter wrench, be extremely careful not to dent or damage the filter.
13. Turn the valve (1) at the bottom of the fuel tank to OPEN position (O).
14. After replacing the filter cartridge, start the engine and run it at low idle for 10 minutes.
    Check for leakage of fuel from the filter seal surface and tranparent cap mounting. If any fuel is leaking, check the tightening of the filter cartridge. If there is still fuel leakage, repeat Steps 1 - 6 to remove the filter cartridge, and if any damage or embedded foreign material in the packing surface is found, replace it with a new cartridge and repeat Steps 7 - 14 to install it.



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SPECIFICATIONS

	Item	Unit	PC400-8	PC400LC-8	PC450-8	PC450LC-8
	Operating weight	kg (lb)	41,740 (92,037)	42,740 (94,242)	43,320 (95,521)	44,320 (97,726)
	Bucket capacity	m^3 (cu.yd)	1.9 (2.5)			
	Name of engine	-	KOMATSU SAA6D125E-5 deisel engine			
	Rated horsepower of engine	kW (HP)/rpm	257 (345) /1,900			
A	Overall length	mm (ft in)	11,940 (39' 2")	11,940 (39' 2")	12,040 (39' 6")	12,040 (39' 6")
B	Overall height	mm (ft in)	3,635 (11' 11")	3,635 (11' 11")	3,660 (12')	3,660 (12')
C	Overall width	mm (ft in)	3,340 (10' 11")	3,440 (11' 3")	3,340 (10' 11")	3,340 (10' 11")
D	Track shoe width	mm (ft in)	600 (1' 12")	700 (2' 4")	600 (1' 12")	600 (1' 12")
E	Height of cab	mm (ft in)	3,285 (10' 9")	3,285 (10' 9")	3,285 (10' 9")	3,285 (10' 9")
F	Radius of upper structure	mm (ft in)	3,645 (11' 12")	3,645 (11' 12")	3,645 (11' 12")	3,645 (11' 12")
G	Overall length of track	mm (ft in)	5,055 (16' 7")	5,385 (17' 8")	5,055 (16' 7")	5,385 (17' 8")
H	Tumbler center distance	mm (ft in)	4,020 (13' 2")	4,350 (14' 3")	4,020 (13' 2")	4,350 (14' 3")
	Min. ground clearance	mm (ft in)	555 (1' 10")	550 (1' 10")	555 (1' 10")	550 (1' 10")
	Traveling speed (Lo/Mi/Hi)	km/h (MPH)	3.0/4.0/5.5 (1.9/2.5/3.4)			
	Swing speed	rpm	9.1			



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