CEAM007103

Operation & Maintenance Manual

KOMATSU®

PC200LC-8
PC220LC-8

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC200LC-8 A88001 and up
PC220LC-8 A88001 and up

ENGINE 6D107E-1

March 2016

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OPERATION

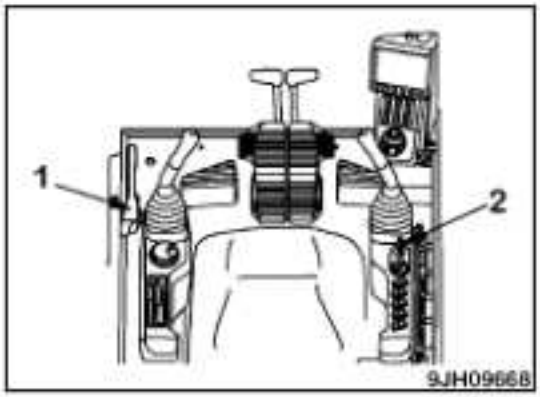
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Operations Before Starting Engine

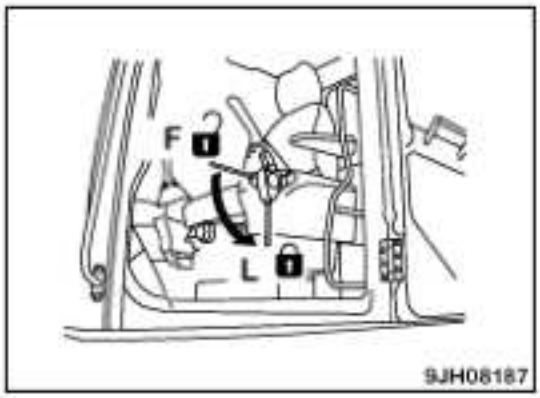
⚠ WARNING

When starting the engine, check that the lock lever is securely at the LOCK position.
If the lock lever is not locked securely and the control levers or control pedal are touched when the engine is started, the machine may move unexpectedly, and this may lead to serious personal injury.

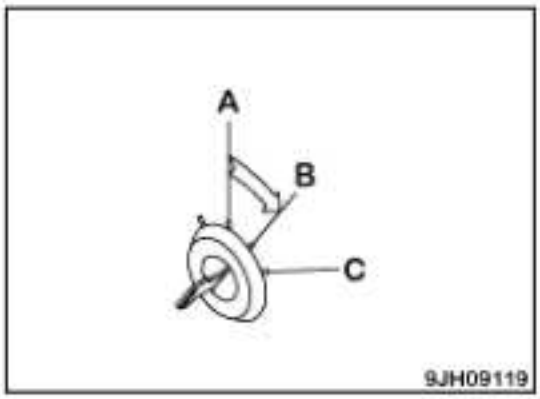


1. Check that lock lever (1) is at the LOCK position (L).

2. Check that each control lever and control pedal is at the Neutral position.
   If the control levers and control pedal are not being touched, they will be at the Neutral position.



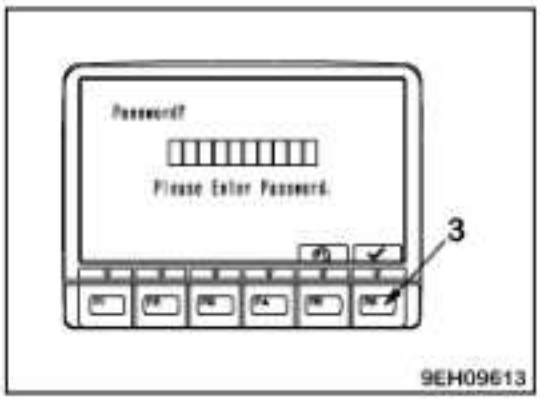
3. Insert the key in starting switch (2), turn the key to the ON position (B), then carry out the following checks.



★ If a password has been set, the input display screen will be displayed on the monitor screen.
   After inputting the password, press Enter switch F6 (3).

Remark

For details of the method of setting, changing, or canceling the password, see separate "PROCEDURE FOR SETTING, CHANGING OR CANCELING PASSWORD".



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Clean Air Conditioner Fresh/Recirc Filters

⚠ WARNING

If compressed air is used, there is danger that dirt may fly and cause personal injury.
Always wear protective glasses, dust mask, and other protective equipment.

Remark

As a guideline, the filters should be cleaned every 500 hours, but on dusty jobsites, clean the filters more frequently.

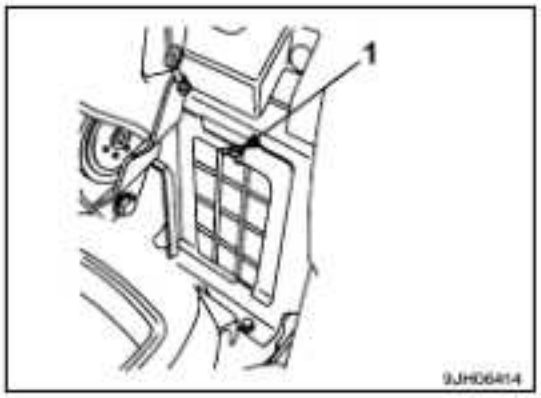
Remark

If the filter becomes clogged, the air flow will be reduced, and there will be an abnormal noise from the air conditioner unit.

Cleaning Recirculated Air Filter

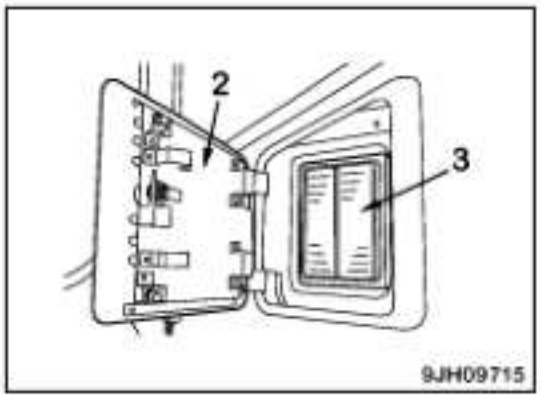
1. Remove wing bolts (1) from the inspection window at the bottom rear left on the inside of the operator's cab, then take out the recirculated air filter.
2. Clean the filter with compressed air. If there is oil on the filter, or if the filter is extremely dirty, wash it in a neutral agent. After rinsing it in water, dry it thoroughly before using it again.
   Replace the filter with a new part every year. If the clogging of the filter cannot be removed by blowing with air or washing in water, replace the filter immediately.

   • The RECIRC filter must be installed facing in the correct direction. Install it so that the projecting part faces the front of the machine.



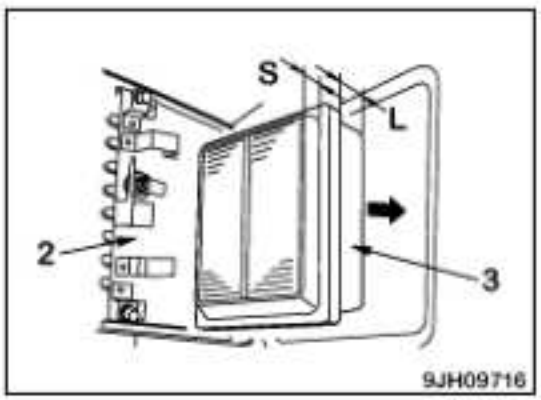
Cleaning Fresh Air Filter

1. Use the starting switch key to open cover (2) at the rear left of the operator's cab, then open cover (2) by hand and remove filter (3) inside the cover.
2. Clean the filter with compressed air. If there is oil on the filter, or if the filter is extremely dirty, wash it in a neutral agent. After rinsing it in water, dry it thoroughly before using it again.
   Replace the filter with a new part every year. If the clogging of the filter cannot be removed by blowing with air or washing in water, replace the filter immediately.
3. After cleaning, return filter (3) to its original position and close the cover. Use the starting switch key to lock the cover. Do not forget to remove the starting switch key.



Remark

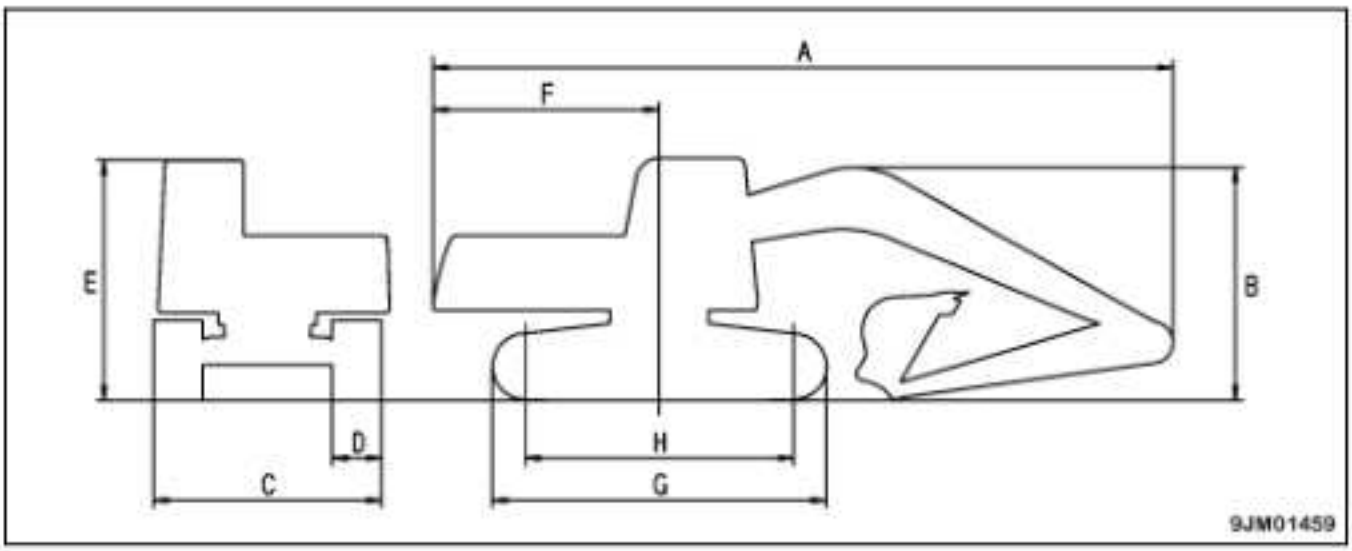
The FRESH filter must be installed facing in the correct direction. When installing, insert the long (L) end of filter (3) into the filter case first. If the short (S) end is installed first, cover (2) will not close.



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SPECIFICATIONS

	Item	Unit	PC200LC-8	PC220LC-8
	Operating weight	kg (lb)	20,900 (46,085)	24,330 (53,648)
	Bucket capacity	m^3 (cu.yd)	0.8 (1.05)	1.0 (1.3)
	Name of engine	-	KOMATSU SAA6D107E-1 diesel engine	
	Engine horsepower	kW (HP)/rpm	110 (148)/2,000	125 (168)/2,000
A	Overall length	mm (ft in)	9,425 (30' 11")	9,885 (32' 5")
B	Overall height	mm (ft in)	2,970 (9' 9")	3,185 (10' 5")
C	Overall width	mm (ft in)	3,080 (10' 1")	3,280 (10' 9")
D	Track width	mm (ft in)	700 (2' 4")	700 (2' 4")
E	Height of cab	mm (ft in)	3,040 (9' 12")	
F	Radius of upper structure	mm (ft in)	2,750 (9' 0")	2,940 (9' 8")
G	Length of track	mm (ft in)	4,450 (14' 7")	4,640 (15' 3")
H	Tumbler center distance	mm (ft in)	3,655 (11' 12")	3,845 (12' 7")
	Min. ground clearance	mm (ft in)	440 (1' 5")	440 (1' 5")
	Travel speed (Lo/Mi/Hi)	km/h (MPH)	3.0/4.1/5.5 (1.9/2.5/3.4)	3.1/4.2/5.3 (1.9/2.6/3.3)
	Swing speed	rpm	12.4	11.7



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