Operation & Maintenance Manual

YEAM200201

GALEO

PC200, 200LC-7,
PC210, 210LC-7,
PC220, 220LC-7

HYDRAULIC EXCAVATOR

SERIAL NUMBERS

PC200-7,	DBB0001	and up
PC200LC-7,	DBE0001	
PC210-7,	DBF0001	
PC210LC-7,	DBG0001	
PC220-7,	DBH0001	
PC220LC-7,	DBJ0001	

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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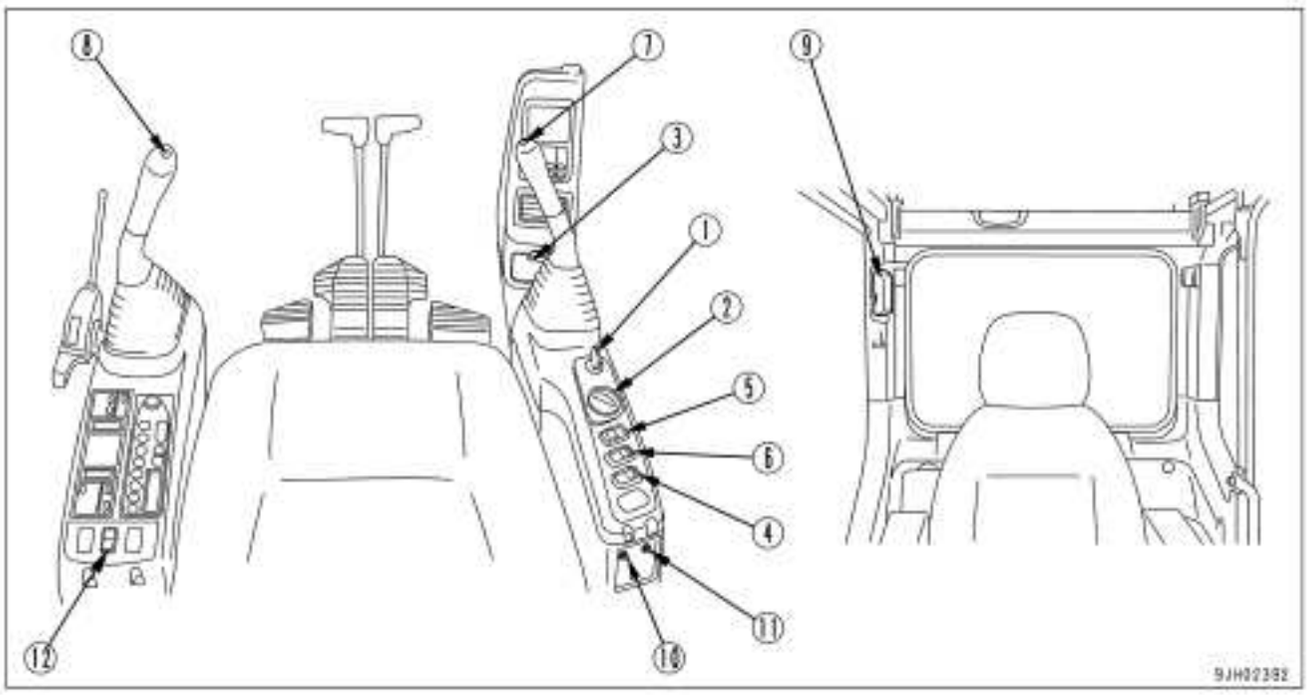
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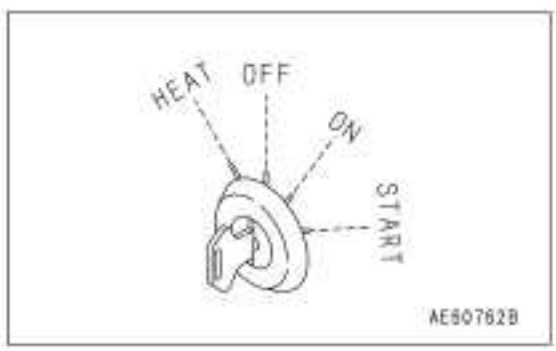
SWITCHES



(1) Starting switch
(2) Fuel control dial
(3) Cigarette lighter
(4) Swing lock switch
(5) Lamp switch
(6) Alarm buzzer stop switch
(7) Horn switch
(8) Knob switch
(9) Room lamp switch
(10) Emergency pump drive switch
(11) Swing brake cancel switch
(12) Rotating lamp switch

STARTING SWITCH

This switch (1) is used to start or stop the engine.



OFF position
The key can be inserted or withdrawn. The switches for the electric system except the room lamp, are all turned off and the engine is stopped.

ON position
Electric current flows in the charging and lamp circuits. Keep the starting switch key at the ON position while the engine is running.

START position
This is the engine-start position. Keep the key at this position during cranking. Immediately after starting the engine, release the key. It will automatically return to the ON position.

HEAT (preheat) position
When starting the engine in winter, set the key to this position. Whenthe key is set to the HEAT position, the pre-heating monitor lightsup. Keep the key at this position until the monitor lamp flashes.Immediately after the pre-heating monitor flashes, release the key.The key automatically returns to the OFF position. Then, start the engine by turning the key to the START position.

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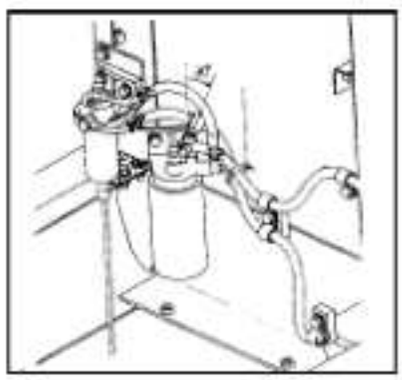
REPLACE ADDITIONAL FUEL FILTER

⚠ WARNING

- **The engine is at high temperature after machine operation. wait for the engine to cool down before replacing filter.**
- **Do not bring any fire or flame close to the fuel.**

Prepare a filter wrench and an oil container.

1. Place the container under filter to receive oil.
2. Rotate filter (2) counter-clockwise with filter wrench to remove the filter .
3. Clean the filter head, and use clean fuel to clean new filter, and apply engine oil to the matching surface. Then, install it to filter head.
4. Tighten to make the sealing surface contact the sealing surface of filter head while installing, then tighten another 1/2 turn.
   If the filter is excessively tightened, the matching surface will be damaged, causing oil leak
   If the filter is to loose, fuel will leak from the matching surface, so tigheten it properly.
5. Bleeding air after additional fuel filter is replaced.



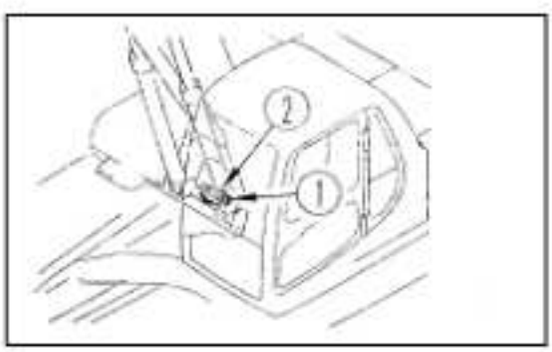
RCHECK SWING PINION GREASE LEVEL, ADD GREASE

Prepare a scale.

1. Remove bolts (1) (2 bolts) on the top of the revolving frame and remove cover (2).
2. Insert a scale into the grease and check that the height of the grease in the portion where the pinion passes is at least 14 mm (0.6 in). Add more grease if necessary.
3. Check if the grease is milky white. If it is milky white, it is necessary to change the grease. Please contact your Komatsu distributor.

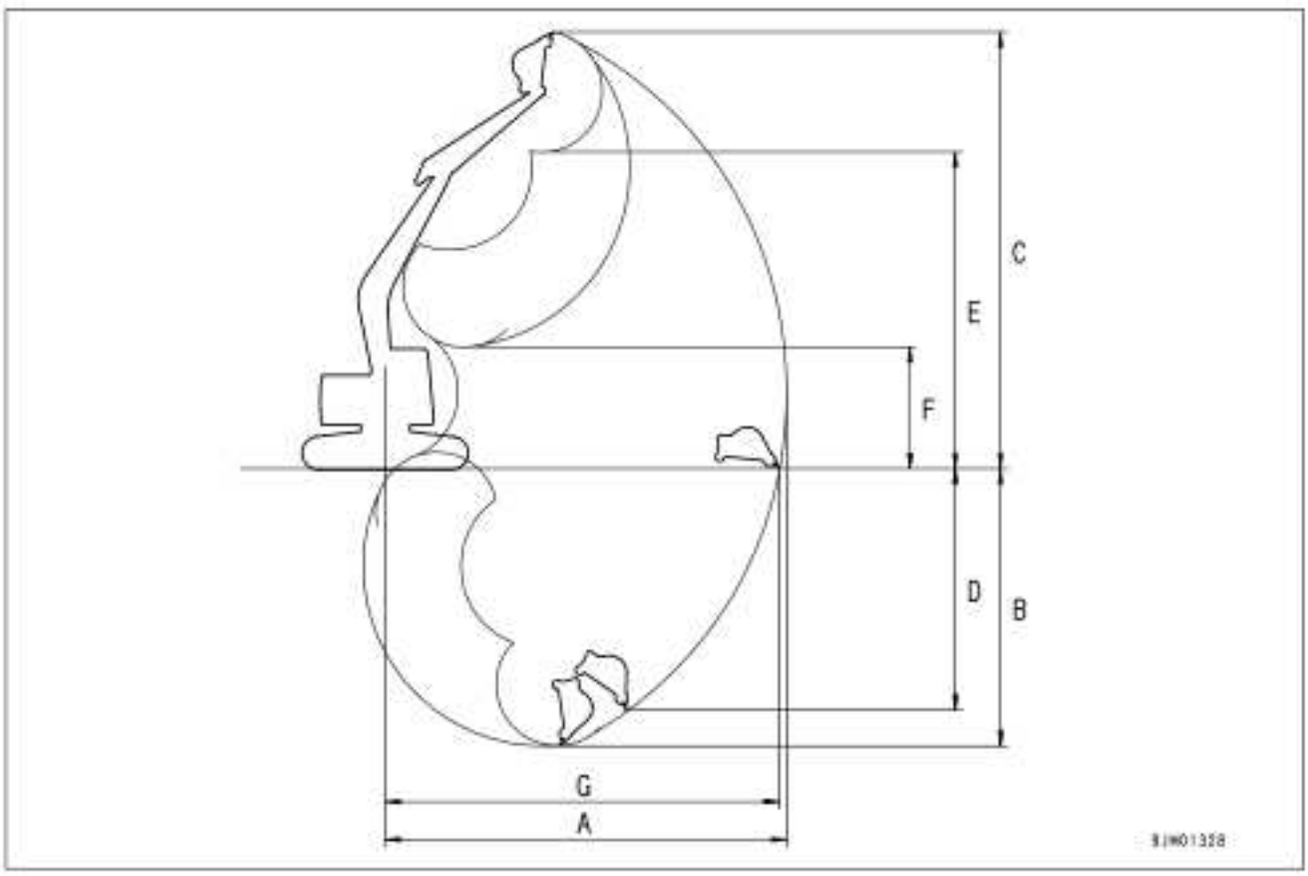
The total amount of grease
PC200,PC210 : 14.6 liters (3.86 US gal)
PC220 : 15.8 liters (4.17 US gal)

4. Install cover (2) with bolts (1).



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	Working ranges	Unit	PC200-7	PC200LC-7	PC220-7	PC220LC-7
A	Max. digging reach	mm (ft in)	9,875(32'5")		10,180(33'5")	
B	Max. digging depth	mm (ft in)	6620(21'9")		6920(22'8")	
C	Max. digging height	mm (ft in)	10,000(32'10")		10,000(32'10")	
D	Max. vertical wall depth	mm (ft in)	5,980(19'7")		6,010(19'9")	
E	Max. dumping height	mm (ft in)	7,110(23'4")		7,035(23'1")	
F	Min. dumping height	mm (ft in)	2,645(8'8")		2,530(8'4")	
G	Max. reach at ground level	mm (ft in)	9,700(31'10")		10,020(32'10")	



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