TEN00146-02

# Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

GALEO

**PC1250 -8**
**PC1250SP -8**
**PC1250LC -8**

SERIAL NUMBERS 30001 and up

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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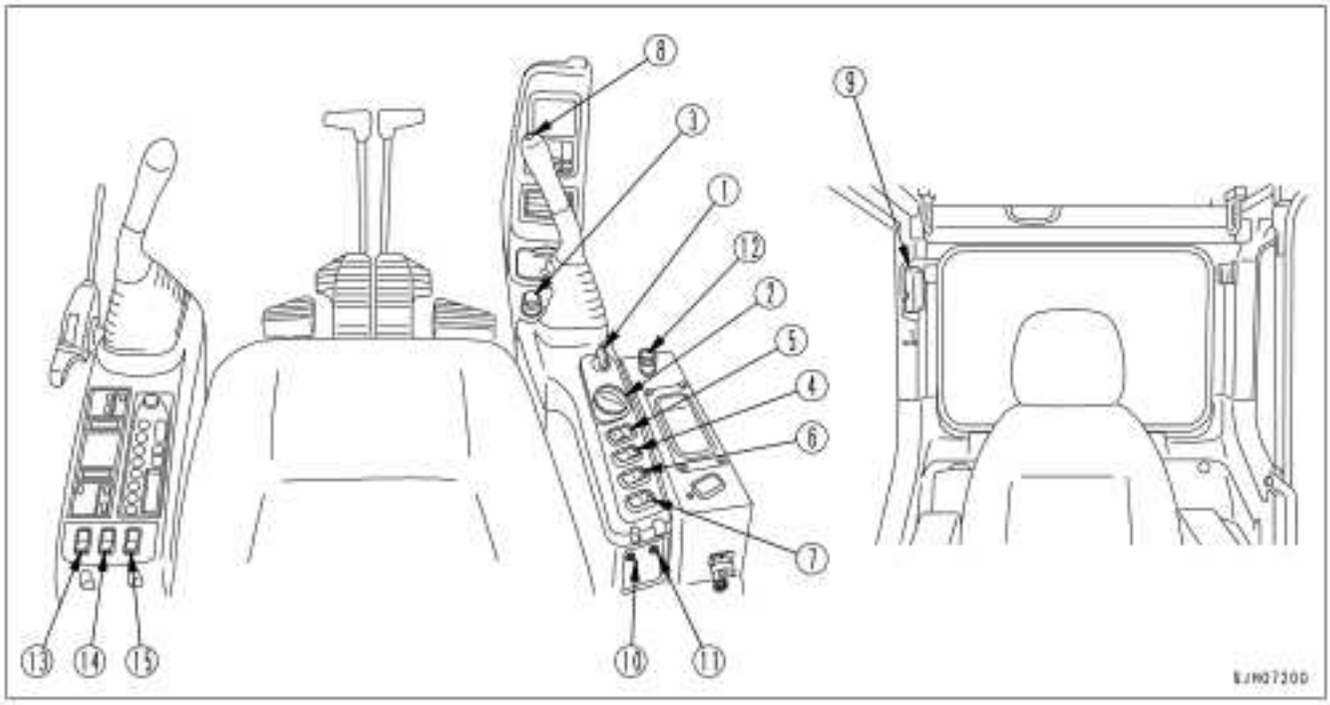
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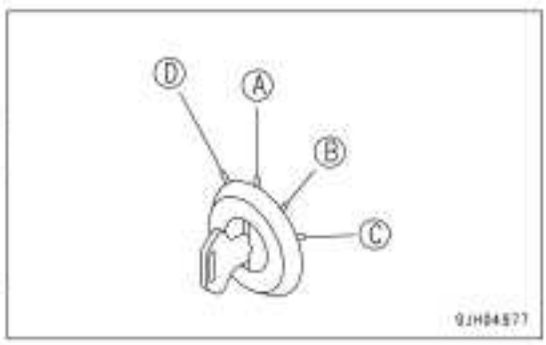
## SWITCHES




(1) Starting switch
(2) Fuel control dial
(3) Cigarette lighter
(4) Swing lock switch
(5) Lamp switch
(6) Machine push-up switch
(7) Boom shockless control switch
(8) Horn switch
(9) Room lamp switch
(10) Emergency pump drive switch
(11) Swing parking brake release switch
(12) Step light switch
(13) Lower wiper switch (machines equipped with fixed front window cab)
(14) Revolving warning lamp switch (if equipped)
(15) Large capacity airflow air conditioner blower switch (if equipped)

### Starting Switch

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




(A): OFF position
The key can be inserted or withdrawn. Switches for the electrical system (except room lamp), are all turned off and the engine is stopped.
(B): ON position
Electric current flows through the charging and lamp circuits. Keep starting switch key in the ON position while the engine is running.
(C): 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 (B).
(D): HEAT position
Regardless of the ambient temperature, the preheating monitor lights up when the key is set to the HEAT position. It then flashes after approx. 30 seconds to inform the operator that the preheating has been completed.



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## EVERY 1000 HOURS MAINTENANCE

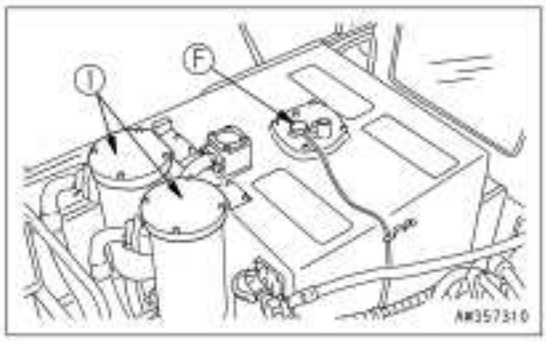
Maintenance for every 10, 100, 250, and 500 hours of service should be performed at the same time.

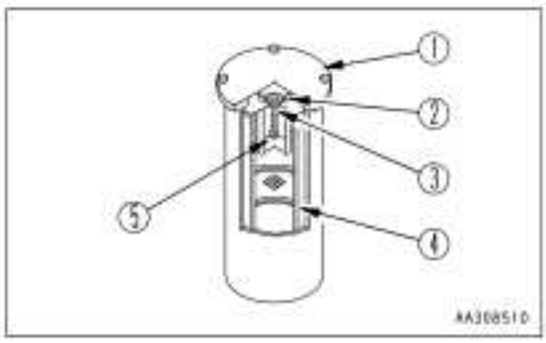
### REPLACE HYDRAULIC OIL FILTER ELEMENT

**⚠ WARNING**

- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

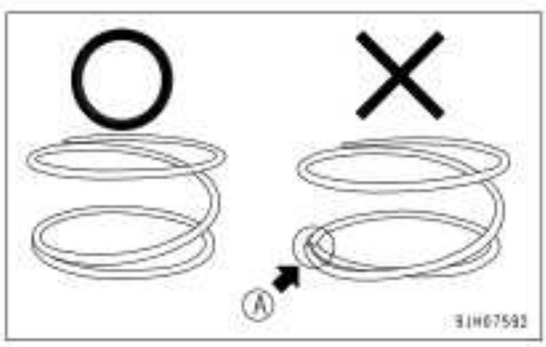
1. Remove the cap from oil filler (F) on top of the hydraulic tank, and release the internal pressure.
2. Loosen 4 bolts, then remove cover (1).
   When doing this, the cover may fly out under the force of spring (2), hold the cover down when removing the bolts.
3. After removing spring (2), valve (3) and strainer (5), take out element (4).
   - If there are metal particles or foreign material inside strainer (5), contact your Komatsu distributor.
4. Clean the removed parts in flushing oil.
5. Install the new element in the place where old element (4) was installed.




**REMARK**

When doing this, check that the seat surfaces (both ends) of spring (2) are horizontal.
Check that the seat surface of the spring is not raised as shown in diagram (A) on the right.



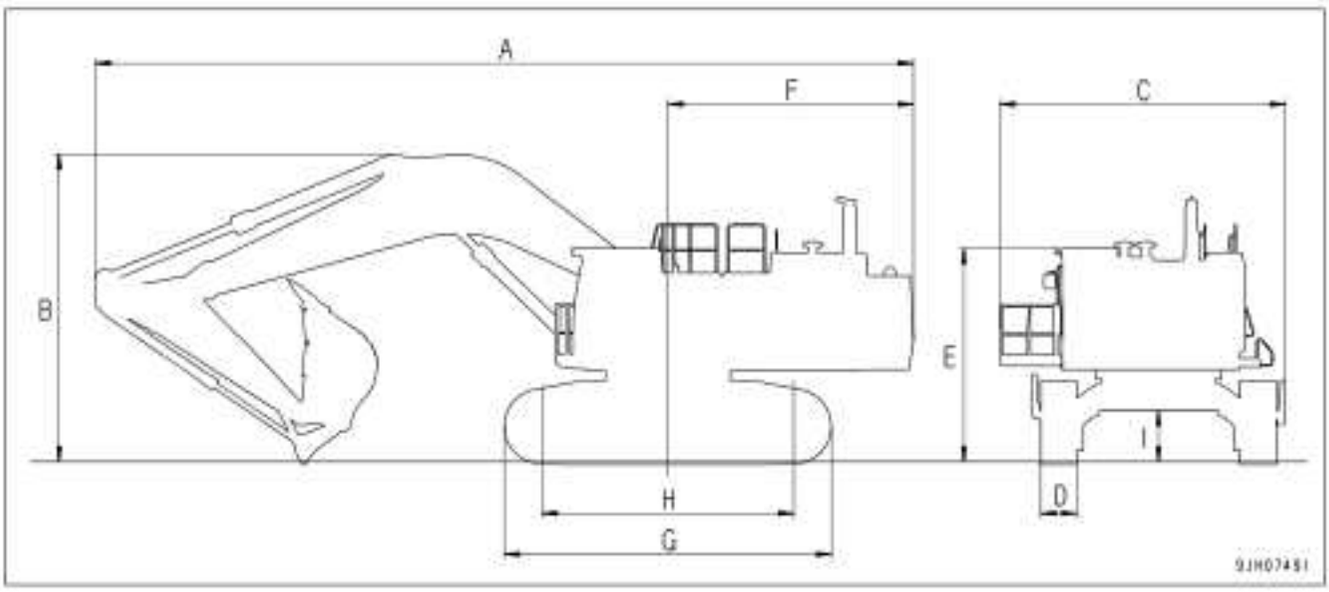

6. Set valve (3), strainer (5) and spring (2) on top of the element.
7. Set cover (1) in position, push it down by hand, and install the cover with the mounting bolts.
8. Install the cap of oil filler port (F).
9. To bleed the air, start the engine according to "STARTING ENGINE (PAGE 3-98)" and run the engine at low idle for 10 minutes.
10. Stop the engine.



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# SPECIFICATIONS

| | Item | Unit | PC1250-8 | PC1250SP-8 | PC1250LC-8 |
|---|---|---|---|---|---|
| | Operating weight | kg (lb) | 109,900 (242,330) | 111,700 (246,299) | 113,500 (250,268) |
| | Bucket capacity | $m^3$ (cu.yd) | 5.2 (6.8) | 6.7 (8.8) | 5.2 (6.8) |
| | Name of engine | - | KOMATSU SAA6D170E-5 diesel engine | | |
| | Engine horsepower | kW (HP) /rpm | 502 (672)/1,800 | | |
| A | Overall length | mm (ft in) | 16,020 (52' 7") | 14,790 (48' 6") | 16,020 (52' 7") |
| B | Overall height | mm (ft in) | 6,040 (19' 10") | 6,265 (20' 7") | 6,040 (19' 10") |
| C | Overall width | mm (ft in) | 5,355 (17' 7") | 5,355 (17' 7") | 5,355 (17' 7") |
| D | Track width | mm (ft in) | 700 (2' 4") | 700 (2' 4") | 700 (2' 4") |
| E | Height of cab | mm (ft in) | 4,120 (13' 6") | 4,120 (13' 6") | 4,120 (13' 6") |
| F | Radius of upper structure | mm (ft in) | 4,870 (15' 12") | 4,870 (15' 12") | 4,870 (15' 12") |
| G | Length of track | mm (ft in) | 6,425 (21' 1") | 6,425 (21' 1") | 7,400 (24' 3") |
| H | Tumbler center distance | mm (ft in) | 4,995 (16' 5") | 4,995 (16' 5") | 5,970 (19' 7") |
| I | Min. ground clearance | mm (ft in) | 990 (3' 3") | 990 (3' 3") | 990 (3' 3") |
| | Travel speed (Lo/Mi/Hi) | km/h (MPH) | 2.1/3.2 (1.3/2.0) | | |
| | Swing speed | rpm | 5.5 | | |






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