CEAM016903

Operation & Maintenance Manual

PC300LC-7E0
PC300HD-7E0

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC300LC-7E0 A88001 and up
PC300HD-7E0 A88001 and up

ENGINE 6D114E-3

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KOMATSU®

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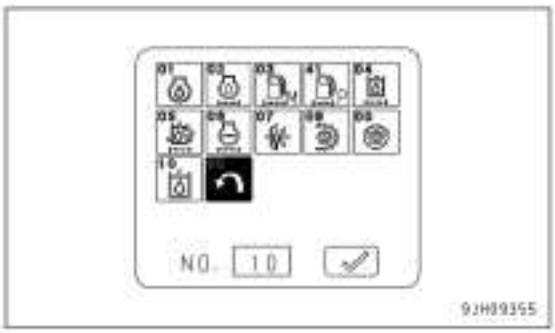
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MAINTENANCE SWITCH



This switch (6) is used to check the time remaining to maintenance.

When this switch (6) is pressed, the screen on the monitor display changes to the maintenance screen shown in the diagram on the right.



The time remaining to maintenance is indicated by the color of each monitor display. After confirming the maintenance time, carry out the maintenance.

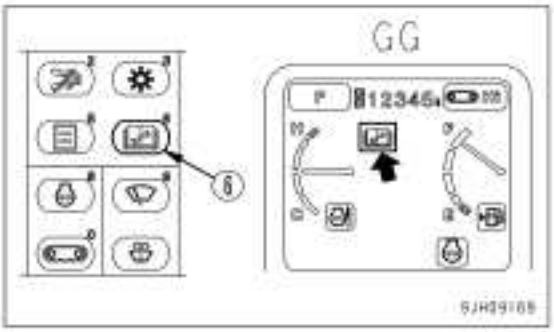
White display	More than 30 hours remaining to maintenance
Yellow display	Less than 30 hours remaining to maintenance
Red display	Maintenance time has already passed

Remark

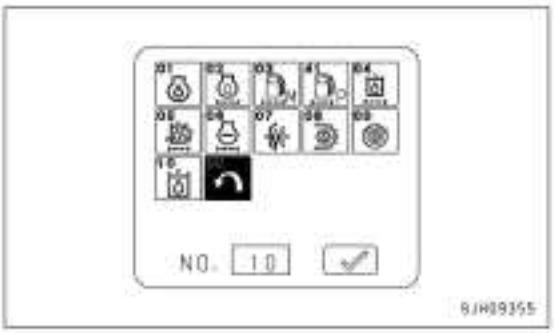
If the monitor display (GG) changes to the maintenance warning screen when the engine is started or when the machine is being operated, stop operations immediately. When this happens, the monitor corresponding to the maintenance warning screen will light up red.

Press switch (6) to display the maintenance screen and check to be sure there is no abnormality in any other monitor.

If another monitor is lit up red on the maintenance screen, carry out maintenance for that item also.



★ The maintenance display items are as follows.



Monitor No.	Maintenance Item	Default set screen (H)
01	Change engine oil	500
02	Replace engine oil filter	500
03	Replace fuel filter	1000
41	Replace fuel pre-filter	500
04	Replace hydraulic oil filter	1000
05	Replace hydraulic tank breather	500
06	Replace corrosion resistor	1000
07	Check damper case oil level, add oil	1000
08	Change final drive case oil	2000
09	Change swing machinery case oil	1000
10	Change hydraulic oil	5000

● If it is desired to change the setting for the maintenance interval, please contact your Komatsu distributor.

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STARTING THE ENGINE

NORMAL OR COLD START PROCEDURES

⚠ WARNING

- **Start the engine only after sitting down in the operator's seat.**
- **Do not attempt to start the engine by short-circuiting the engine starting circuit. Such an act may cause a serious bodily injury or fire.**
- **Check to be sure there are no persons or obstacles in the surrounding area, then sound the horn and start the engine.**
- **Never use starting aid fluids as they may cause explosions.**
- **Exhaust gas is toxic. When starting the engine in confined spaces, be particularly careful to ensure good ventilation.**

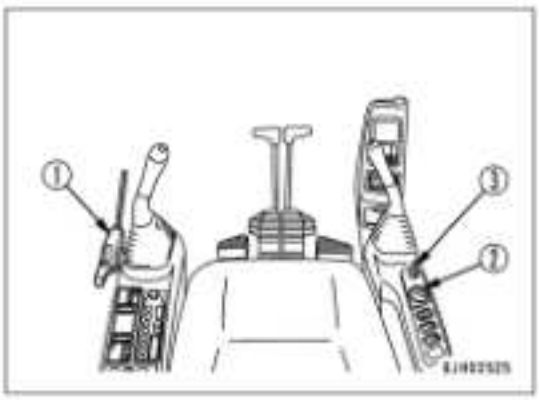
Remark

Before starting the engine, check to be sure fuel control dial (2) is at the low idling (MIN) position. If the fuel control dial is at the full speed (MAX) position, the engine will accelerate suddenly and cause damage to the engine parts.

Do not keep the key in ignition switch (3) at the START position continuously for more than 20 seconds.

If the engine does not start, wait for at least 2 minutes, then start again from the beginning.

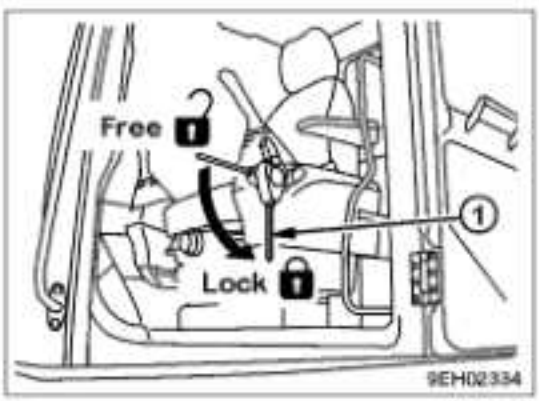
After the engine starts, wait for the engine oil pressure monitor to go out. Do not touch the control levers or control pedal while the engine oil pressure monitor is lit up.



★ This machine is equipped with an engine automatic preheating device that functions to start the engine preheating automatically. If the ambient temperature is low, the preheating monitor will light up when the key in ignition switch (3) is turned to the ON position to inform the operator that preheating has been started automatically

1. Check to be sure safety lock lever (1) is at LOCK position. If safety lock lever (1) is at the FREE position, the engine will not start.

   Set the control lever to the neutral position. When starting the engine, never touch the knob switch.



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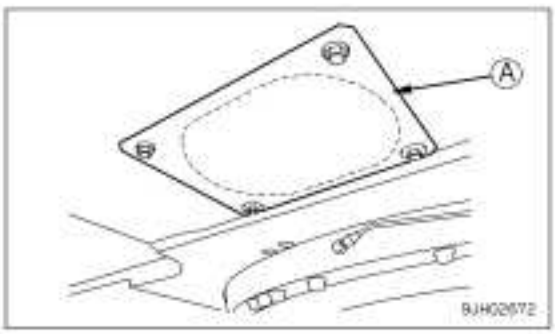
CHANGE OIL IN SWING MACHINERY CASE

⚠ WARNING

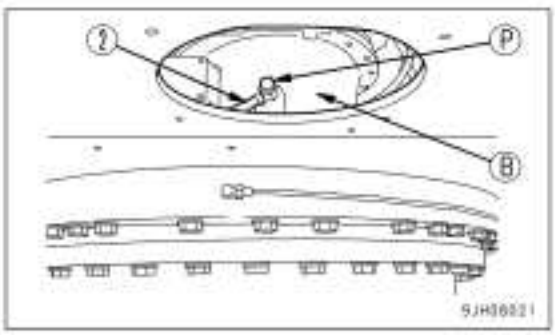
Parts and oil are at high temperature immediately after the engine is stopped and may cause serious burns. Wait for the oil temperature to go down before performing this operation.

- Refill capacity: 13.4 liters (3.54 US gal)

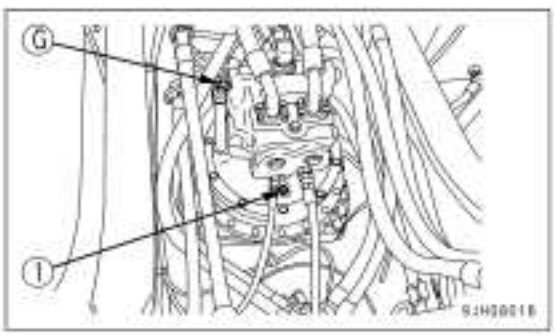
1. Remove cover (A) of the inspection hole. (Only demolition specification machine)



2. Set a container under drain valve (P) under the machine body to catch the oil.
3. Loosen drain valve (P) under the body, drain the oil, then tighten the drain valve again.
   - When draining the oil, first pull hose (2) out from inspection hole (B), then turn the drain valve to the OPEN position.



4. Remove dipstick (G) and air bleed plug (1).
5. Add the replacement amount of oil through the insertion guide for dipstick (G).
6. Check the oil level.
7. Install air bleed plug (1).



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