TEN00140-00

# Operation & Maintenance Manual

GALEO

# D375A-5E0

## BULLDOZER

SERIAL NUMBERS D375A-5E0 50001 and up

May 2006

KOMATSU

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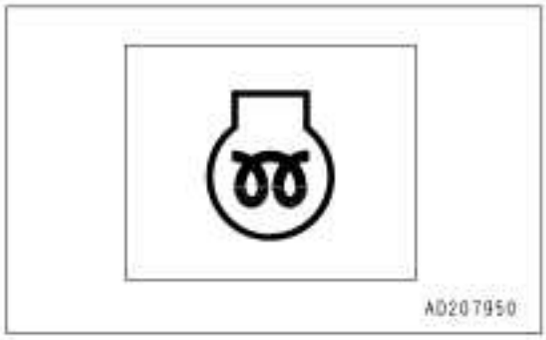

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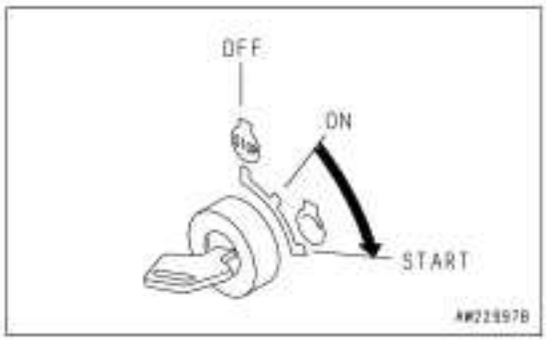


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8. Keep in this condition until engine pre-heating pilot lamp (3) goes out.
(Pre-heating is completed after approx. 12 seconds, and the lamp goes out.)

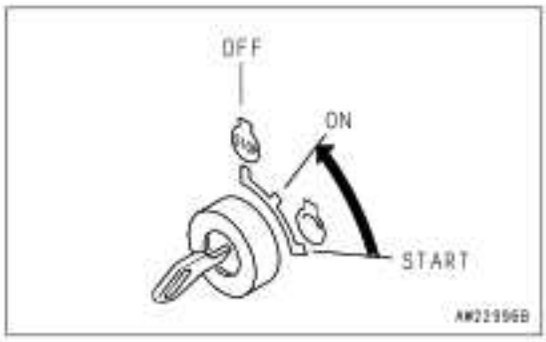



9. When engine pre-heating pilot lamp (3) goes off, turn the key of starting switch (2) to the START position to crank the engine. The time that engine pre-heating pilot lamp (3) stays on changes according to the ambient temperature as shown in the table below.




| Ambient temperature | Pre-heat time |
|---|---|
| 0°C to -10°C (32°F to 14°F) | 0 to 15 seconds |
| -10°C to -20°C (14°F to -4°F) | 15 to 30 seconds |
| -20°C to -30°C (-4°F to -22°F) | 30 to 45 seconds |
| -30°C to (-22°F to) | 45 seconds |

10. When the engine starts, release the key in starting switch (2). The key will automatically return to the ON position.



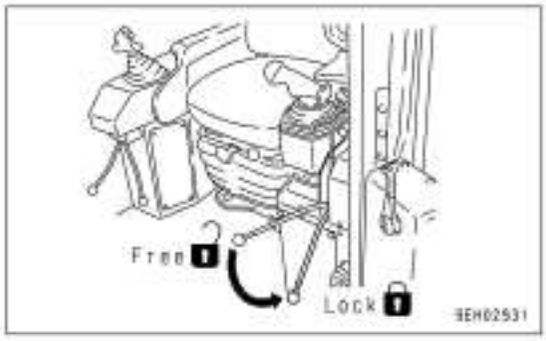

**REMARK**
Immediately after starting the engine, run the engine at idling, and do not operate the accelerator pedal or work equipment during this time.
Guideline for idling time
- Cold weather: At least 15 seconds
- When first starting engine after changing oil or replacing engine oil filter: 20 seconds

11. When the engine rotation stabilizes, set fuel control dial (1) to low idle (MIN) position, then perform the warming-up operation.

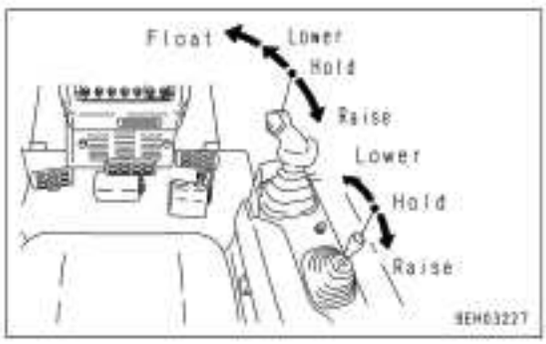


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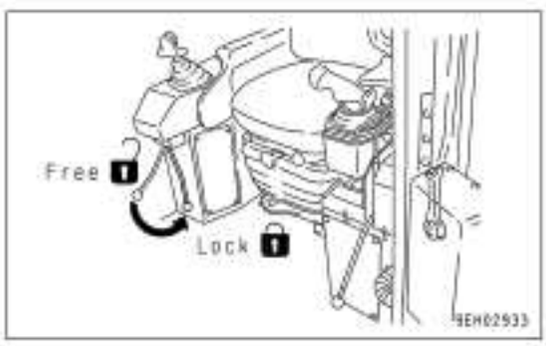
3. Operate parking brake lever (4) to lock the brakes.




4. Operate blade control lever (5) and ripper control lever (6) to the LOWER position, and lower the blade and ripper to the ground.
5. Set blade control lever (5) and ripper control lever (6) to the HOLD position.




6. Set work equipment lock lever (7) for blade control lever (5) and ripper control lever (6) to the FREE position.






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## EVERY 500 HOURS SERVICE

Maintenance for every 250 hours should be performed at the same time.

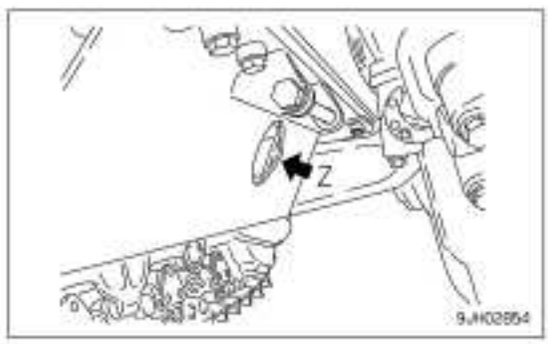
### CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

**⚠ WARNING**

**The oil is at high temperature after the engine has been operated, so never change the oil immediately after finishing operations. Wait for the oil to cool down before changing it.**

- Refill capacity: 86 liters (22.72 US gal)
- Prepare a socket wrench and filter wrench.

1. Open cover under the chassis. Set a container to catch oil under drain valve (2).

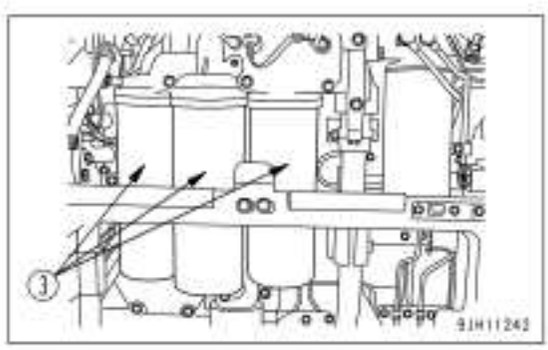



2. Remove drain plug (1) and slowly open drain valve (2), and drain the oil.
   Take care not to open drain valve (2) so much that the stopper pin in the valve is distorted.
   Tightening torque for drain plug (1): 68.6 ± 9.81 N·m
   (7 ± 1 kgf·m, 50.6 ± 7.2 lbft)
   Tightening torque for drain valve (2): 63.7 ± 14.7 N·m (6.5 ± 1.5 kgf·m, 47.0 ± 10.8 lbft)

3. Check the drained oil, if there is excessive metal particles or foreign material, contact your Komatsu distributor.
4. Close drain valve (2) and insert and tighten drain plug (1).
5. Using the filter wrench, turn full-flow filter cartridge (3) to the left and remove it.




6. Clean the filter holder, fill the new filter cartridge with engine oil, coat the packing surface and thread with engine oil (or coat it thinly with grease), then install the filter cartridge.
7. When installing the filter cartridge, bring the packing surface into contact with the filter holder, then tighten a further 3/4 to 1 turn.






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