SEAM010801

Operation & Maintenance Manual



D375A-3

BULLDOZER

SERIAL NUMBERS **D375A-3 - 17001** and up

KOMATSU®

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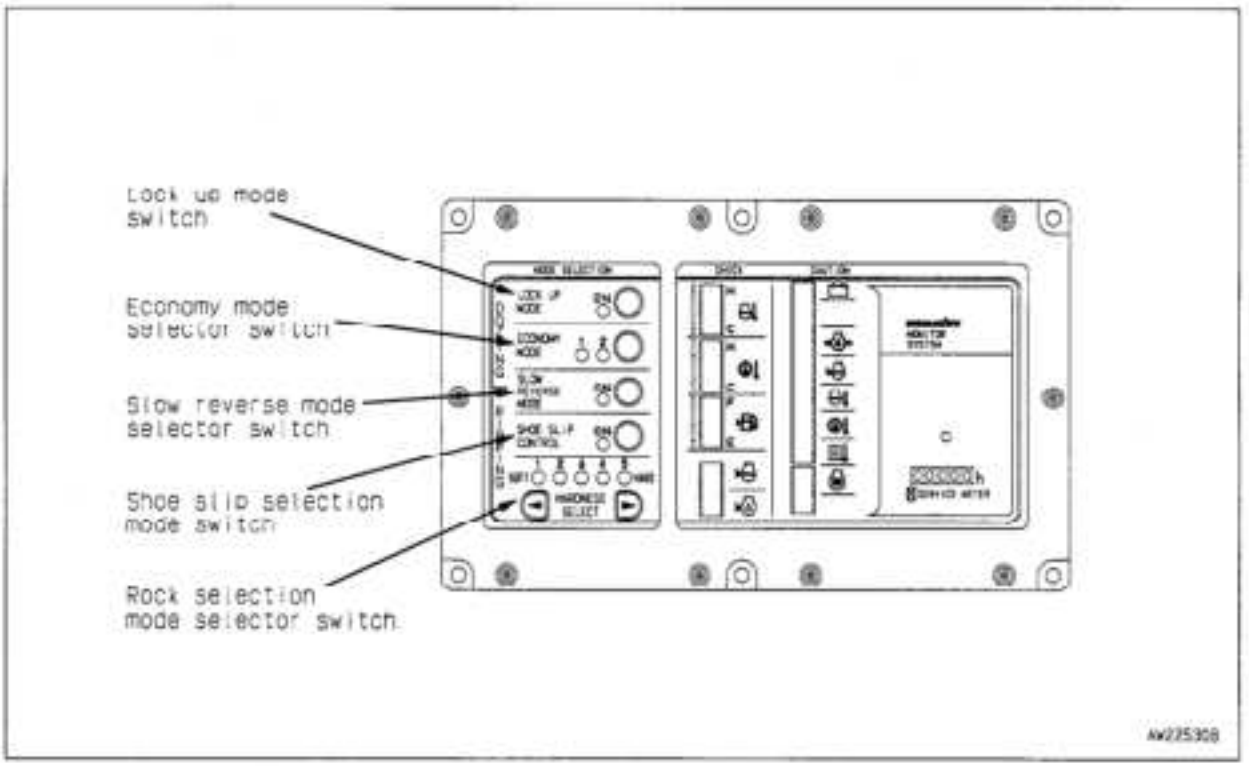
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12.13 EFFECTIVE USE OF MODE SELECTION SYSTEM



Selecting the mode to match the type of work and quality of rock or soil makes it possible to carry out operations effectively.

When all the mode selection switches are OFF, the selection is suitable for conventional digging and dozing of bedrock. When carrying out special rock-crushing operations, it is possible to turn all the mode switches ON when the starting switch is turned ON, so please contact your Komatsu distributor for advice.

It is impossible to use any combination of the lock-up mode and any other mode.

The economy mode, reverse slow mode, and shoe slip control mode can be used independently or in combination.

Dozing			Ripping
Lock up mode	Economy mode	Reverse slow mode	Shoe slip control
O	X	X	X
X	O	O	O

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24. SERVICE PROCEDURE

24.1 INITIAL 250 HOURS SERVICE

Carry out the following maintenance only after the first 250 hours.

- **REPLACE FUEL FILTER CARTRIDGE**
- **REPLACE TRANSMISSION FILTER ELEMENT AND TORQUE CONVERTER OIL FILTER ELEMENT**
- **CHANGE OIL IN POWER TRAIN CASE, CLEAN STRAINER (INCL. TRANSMISSION CASE, TORQUE CONVERTER CASE AND BEVEL GEAR CASE)**
- **CHANGE OIL IN HYDRAULIC TANK, REPLACE HYDRAULIC OIL FILTER ELEMENT**
- **CHANGE OIL IN FINAL DRIVE CASE**
- **CHECK ENGINE VALVE CLEARANCE, ADJUST**

For details of the method of replacing or maintaining, see the section on EVERY 500 HOURS, 1000 HOURS AND 2000 HOURS SERVICE.

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24.7 EVERY 2000 HOURS SERVICE

Maintenance for every 250, 500 and 1000 hours service should be carried out at the same time.

24.7.1 CHANGE OIL IN HYDRAULIC TANK, REPLACE HYDRAULIC OIL FILTER ELEMENT

⚠ WARNING

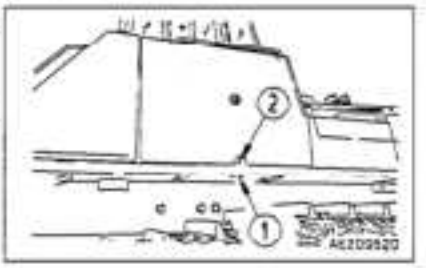
The oil is at high temperature immediately after the machine has been operated. Wait for the oil to cool down before changing the oil. When removing the oil filler cap Ⓕ, turn it slowly to release the internal pressure, then remove it carefully.

Prepare the following.
- Container to catch drained oil: Min. 120 ℓ capacity
- Refill capacity: 120 ℓ (31.68 US gal, 26.4 UK gal)

1. Lower the blade and ripper on the ground securely, stop the engine and slowly turn the cap of oil filler Ⓕ to release the internal pressure. Then, remove the cap.

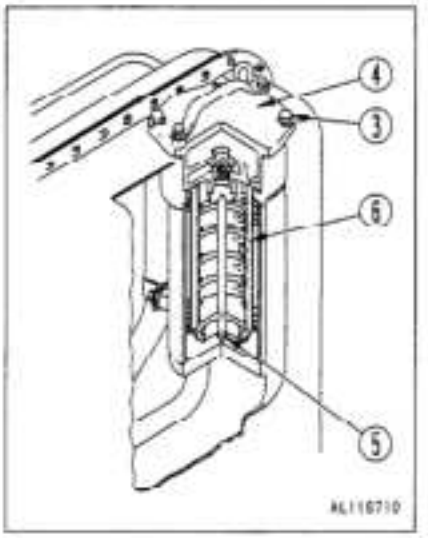


2. Remove drain plug ① at the bottom of the tank and loosen drain valve ②. After draining the oil, tighten drain plug ① and drain valve ②. When loosening drain valve ①, be careful not to get oil on yourself.



3. Remove bolts ③, lift up cover ④, and take out element ⑥ and valve together with the cover.

4. Remove nut ⑤ which is tightening element ⑥ and clean the removed parts and install new element.
   Replace O-ring at the same time.



5. Add engine oil through oil filler port Ⓕ to the specified level.

   For details of the oil to use, see "20. USE OF FUEL, COOLANT AND LUBRICANTS ACCORDING TO AMBIENT TEMPERATURE".

6. After adding oil, check that the oil is at the specified level. For details, see "25.4 EVERY 250 HOURS SERVICE".

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